



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

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



NITRA pneumatic ISO 15552 interchangeable cylinder, 63 mm 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

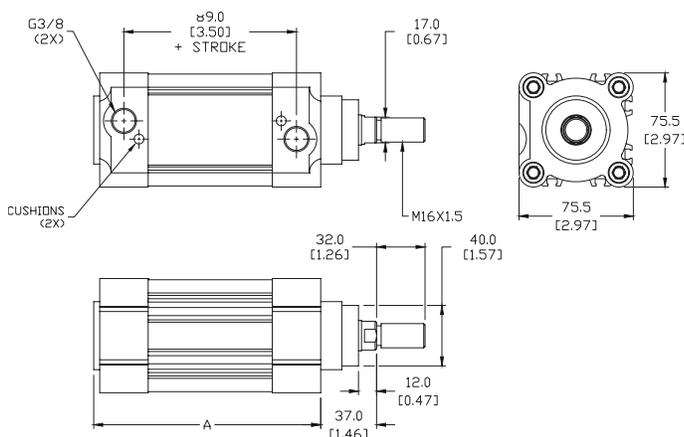


63mm bore, double acting, tapped end caps				
Part Number	Price	Stroke Length (mm)	"A" (mm [inch])	Weight (lb)
<a href="#">G63M025MD-MC</a>		25	146 [5.75]	3.7
<a href="#">G63M050MD-MC</a>		50	171 [6.73]	4.0
<a href="#">G63M075MD-MC</a>		75	196 [7.72]	4.4
<a href="#">G63M100MD-MC</a>		100	221 [8.70]	4.7
<a href="#">G63M125MD-MC</a>		125	246 [9.69]	5.0
<a href="#">G63M150MD-MC</a>		150	271 [10.67]	5.3
<a href="#">G63M200MD-MC</a>		200	321 [12.64]	6.0
<a href="#">G63M250MD-MC</a>		250	371 [14.61]	6.6
<a href="#">G63M300MD-MC</a>		300	421 [16.57]	7.3
<a href="#">G63M400MD-MC</a>		400	521 [20.51]	8.6
<a href="#">G63M500MD-MC</a>		500	621 [24.45]	9.8
<a href="#">G63M600MD-MC</a>		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 to 176 °F [-10 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						
Item	Part Number	Description	Pcs/Pkg	Wt (lb)	Drawing Link	Price
	<a href="#"><u>GRC-M10-125</u></a>	NITRA rod clevis, M10 X 1.25 thread, zinc plated steel. For use with G-series cylinders.	1	0.2	<a href="#">PDF</a>	
	<a href="#"><u>GRC-M12-125</u></a>	NITRA rod clevis, M12 X 1.25 thread, zinc plated steel. For use with G-series cylinders.	1	0.3	<a href="#">PDF</a>	
	<a href="#"><u>GRC-M16-15</u></a>	NITRA rod clevis, M16 X 1.5 thread, zinc plated steel. For use with G-series cylinders.	1	0.8	<a href="#">PDF</a>	
	<a href="#"><u>GRC-M20-15</u></a>	NITRA rod clevis, M20 X 1.5 thread, zinc plated steel. For use with G-series cylinders.	1	1.5	<a href="#">PDF</a>	
	<a href="#"><u>GRE-M10-125</u></a>	NITRA rod eye, M10 X 1.25 thread, spherical bearing, zinc plated steel. For use with G-series cylinders.	1	0.2	<a href="#">PDF</a>	
	<a href="#"><u>GRE-M12-125</u></a>	NITRA rod eye, M12 X 1.25 thread, spherical bearing, zinc plated steel. For use with G-series cylinders.	1	0.3	<a href="#">PDF</a>	
	<a href="#"><u>GRE-M16-15</u></a>	NITRA rod eye, M16 X 1.5 thread, spherical bearing, zinc plated steel. For use with G-series cylinders.	1	0.5	<a href="#">PDF</a>	
	<a href="#"><u>GRE-M20-15</u></a>	NITRA rod eye, M20 X 1.5 thread, spherical bearing, zinc plated steel. For use with G-series cylinders.	1	0.9	<a href="#">PDF</a>	
	<a href="#"><u>GRCP-M10-125</u></a>	NITRA self-aligning rod coupler, M10 X 1.25 thread, zinc plated steel. For use with G-series cylinders.	1	0.5	<a href="#">PDF</a>	
	<a href="#"><u>GRCP-M12-125</u></a>	NITRA self-aligning rod coupler, M12 X 1.25 thread, zinc plated steel. For use with G-series cylinders.	1	0.7	<a href="#">PDF</a>	
	<a href="#"><u>GRCP-M16-15</u></a>	NITRA self-aligning rod coupler, M16 X 1.5 thread, zinc plated steel. For use with G-series cylinders.	1	1.4	<a href="#">PDF</a>	
	<a href="#"><u>GRCP-M20-15</u></a>	NITRA self-aligning rod coupler, M20 X 1.5 thread, zinc plated steel. For use with G-series cylinders.	1	1.5	<a href="#">PDF</a>	
	<a href="#"><u>GMB-32MM</u></a>	NITRA mounting bracket, zinc plated steel. For use with 32mm bore G-series cylinders.	1	0.2	<a href="#">PDF</a>	
	<a href="#"><u>GMB-40MM</u></a>	NITRA mounting bracket, zinc plated steel. For use with 40mm bore G-series cylinders.	1	0.3	<a href="#">PDF</a>	
	<a href="#"><u>GMB-50MM</u></a>	NITRA mounting bracket, zinc plated steel. For use with 50mm bore G-series cylinders.	1	0.4	<a href="#">PDF</a>	
	<a href="#"><u>GMB-63MM</u></a>	NITRA mounting bracket, zinc plated steel. For use with 63mm bore G-series cylinders.	1	0.6	<a href="#">PDF</a>	
	<a href="#"><u>GMB-80MM</u></a>	NITRA mounting bracket, zinc plated steel. For use with 80mm bore G-series cylinders.	1	1.0	<a href="#">PDF</a>	
	<a href="#"><u>GMB-100MM</u></a>	NITRA mounting bracket, zinc plated steel. For use with 100mm bore G-series cylinders.	1	1.3	<a href="#">PDF</a>	

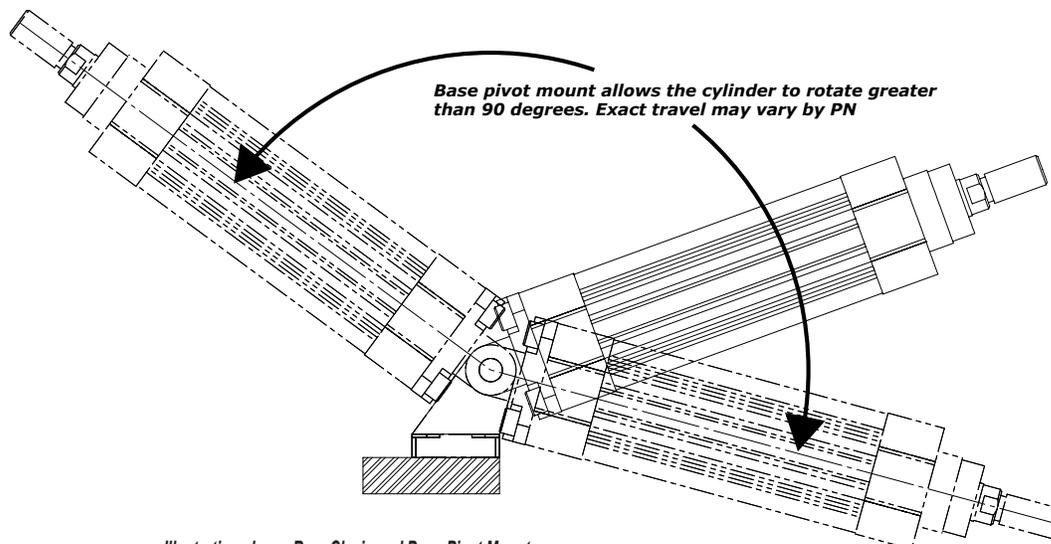
# G-Series ISO 15552 Pneumatic Cylinders – Accessories

G-Series Heavy Duty Pneumatic Cylinder Accessories						
Item	Part Number	Description	Pcs/Pkg	Wt (lb)	Drawing Link	Price
	<a href="#"><u>GMC-32MM</u></a>	NITRA rear pivot eye, zinc plated steel. For use with 32mm bore G-series cylinders.	1	0.2	<a href="#">PDF</a>	
	<a href="#"><u>GMC-40MM</u></a>	NITRA rear pivot eye, zinc plated steel. For use with 40mm bore G-series cylinders.	1	0.3	<a href="#">PDF</a>	
	<a href="#"><u>GMC-50MM</u></a>	NITRA rear pivot eye, zinc plated steel. For use with 50mm bore G-series cylinders.	1	0.6	<a href="#">PDF</a>	
	<a href="#"><u>GMC-63MM</u></a>	NITRA rear pivot eye, zinc plated steel. For use with 63mm bore G-series cylinders.	1	0.9	<a href="#">PDF</a>	
	<a href="#"><u>GMC-80MM</u></a>	NITRA rear pivot eye, zinc plated steel. For use with 80mm bore G-series cylinders.	1	1.5	<a href="#">PDF</a>	
	<a href="#"><u>GMC-100MM</u></a>	NITRA rear pivot eye, zinc plated steel. For use with 100mm bore G-series cylinders.	1	2.4	<a href="#">PDF</a>	
	<a href="#"><u>GSMC-32MM</u></a>	NITRA rear spherical pivot, spherical bearing, zinc plated steel. For use with 32mm bore G-series cylinders.	1	0.3	<a href="#">PDF</a>	
	<a href="#"><u>GSMC-40MM</u></a>	NITRA rear spherical pivot, spherical bearing, zinc plated steel. For use with 40mm bore G-series cylinders.	1	0.4	<a href="#">PDF</a>	
	<a href="#"><u>GSMC-50MM</u></a>	NITRA rear spherical pivot, spherical bearing, zinc plated steel. For use with 50mm bore G-series cylinders.	1	0.5	<a href="#">PDF</a>	
	<a href="#"><u>GSMC-63MM</u></a>	NITRA rear spherical pivot, spherical bearing, zinc plated steel. For use with 63mm bore G-series cylinders.	1	0.7	<a href="#">PDF</a>	
	<a href="#"><u>GSMC-80MM</u></a>	NITRA rear spherical pivot, spherical bearing, zinc plated steel. For use with 80mm bore G-series cylinders.	1	1.3	<a href="#">PDF</a>	
	<a href="#"><u>GSMC-100MM</u></a>	NITRA rear spherical pivot, spherical bearing, zinc plated steel. For use with 100mm bore G-series cylinders.	1	1.9	<a href="#">PDF</a>	
	<a href="#"><u>GFL-32MM</u></a>	NITRA flange mount plate, zinc plated steel. For use with 32mm bore G-series cylinders.	1	0.5	<a href="#">PDF</a>	
	<a href="#"><u>GFL-40MM</u></a>	NITRA flange mount plate, zinc plated steel. For use with 40mm bore G-series cylinders.	1	0.6	<a href="#">PDF</a>	
	<a href="#"><u>GFL-50MM</u></a>	NITRA flange mount plate, zinc plated steel. For use with 50mm bore G-series cylinders.	1	1.2	<a href="#">PDF</a>	
	<a href="#"><u>GFL-63MM</u></a>	NITRA flange mount plate, zinc plated steel. For use with 63mm bore G-series cylinders.	1	1.5	<a href="#">PDF</a>	
	<a href="#"><u>GFL-80MM</u></a>	NITRA flange mount plate, zinc plated steel. For use with 80mm bore G-series cylinders.	1	3.1	<a href="#">PDF</a>	
	<a href="#"><u>GFL-100MM</u></a>	NITRA flange mount plate, zinc plated steel. For use with 100mm bore G-series cylinders.	1	4.5	<a href="#">PDF</a>	
	<a href="#"><u>GN-M10-125</u></a>	NITRA rod nut, M10 X 1.25 thread, zinc plated steel. For use with G-series cylinders.	1	0.2	<a href="#">PDF</a>	
	<a href="#"><u>GN-M12-125</u></a>	NITRA rod nut, M12 X 1.25 thread, zinc plated steel. For use with G-series cylinders.	1	0.2	<a href="#">PDF</a>	
	<a href="#"><u>GN-M16-15</u></a>	NITRA rod nut, M16 X 1.5 thread, zinc plated steel. For use with G-series cylinders.	1	0.2	<a href="#">PDF</a>	
	<a href="#"><u>GN-M20-15</u></a>	NITRA rod nut, M20 X 1.5 thread, zinc plated steel. For use with G-series cylinders.	1	0.2	<a href="#">PDF</a>	



# ISO 15552 Pneumatic Cylinders – Accessories

ISO 15552 Pneumatic Cylinder Accessories					
Item	Part No.	Description	Drawing Link	Weight (lbs)	Price
	<a href="#">W0950322003</a>	Metal Work rear clevis mount, aluminum. For use with 32mm bore ISO 15552 cylinders. Mounting hardware included.	<a href="#">PDF</a>	0.24	
	<a href="#">W0950402003</a>	Metal Work rear clevis mount, aluminum. For use with 40mm bore ISO 15552 cylinders. Mounting hardware included.	<a href="#">PDF</a>	0.34	
	<a href="#">W0950502003</a>	Metal Work rear clevis mount, aluminum. For use with 50mm bore ISO 15552 cylinders. Mounting hardware included.	<a href="#">PDF</a>	0.55	
	<a href="#">W0950632003</a>	Metal Work rear clevis mount, aluminum. For use with 63mm bore ISO 15552 cylinders. Mounting hardware included.	<a href="#">PDF</a>	0.84	
	<a href="#">W0950802003</a>	Metal Work rear clevis mount, aluminum. For use with 80mm bore ISO 15552 cylinders. Mounting hardware included.	<a href="#">PDF</a>	1.45	
	<a href="#">W0951002003</a>	Metal Work rear clevis mount, aluminum. For use with 100mm bore ISO 15552 cylinders. Mounting hardware included.	<a href="#">PDF</a>	2.26	
	<a href="#">W0950322017</a>	Metal Work base pivot mount, aluminum. For use with 32mm bore ISO 15552 cylinders.	<a href="#">PDF</a>	0.12	
	<a href="#">W0950402017</a>	Metal Work base pivot mount, aluminum. For use with 40mm bore ISO 15552 cylinders.	<a href="#">PDF</a>	0.18	
	<a href="#">W0950502017</a>	Metal Work base pivot mount, aluminum. For use with 50mm bore ISO 15552 cylinders.	<a href="#">PDF</a>	0.34	
	<a href="#">W0950632017</a>	Metal Work base pivot mount, aluminum. For use with 63mm bore ISO 15552 cylinders.	<a href="#">PDF</a>	0.47	
	<a href="#">W0950802017</a>	Metal Work base pivot mount, aluminum. For use with 80mm bore ISO 15552 cylinders.	<a href="#">PDF</a>	0.73	
	<a href="#">W0951002017</a>	Metal Work base pivot mount, aluminum. For use with 100mm bore ISO 15552 cylinders.	<a href="#">PDF</a>	1.18	



*Illustration shows Rear Clevis and Base Pivot Mount assembled and attached to an ISO 15552 cylinder.*



# 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 CPSF</b>	NITRA A-Series NITRA D-Series NITRA F-Series Metal Work ISO-6432		
<b>CPS9C</b>	DE-STA-CO Robohand SMC Compact Air Bimba Fabco		
<b>CPS9D</b>	NITRA L-Series Fabco Numatics Rotomation		
<b>CPS9E</b>	NITRA L-Series Fabco Numatics Rotomation		
<b>CPS9F</b>	NITRA G-Series Fabco Festo Numatics Rotomation Metal Work Dual Rod		
<b>CPS9H</b>	NITRA E-Series NITRA H-Series		
<b>CPS9M</b>	Norgren		
<b>CPS9Q</b>	NITRA L-Series NITRA G-Series Parker Fabco Festo Numatics Rotomation Metal Work Dual Rod		