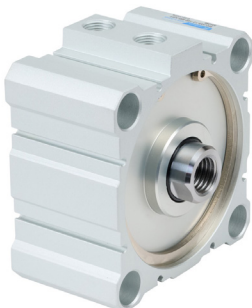




MCJQ3 Series Compact Cylinders

Part No. [MCJQ3122050M](#)

Mindman MCJQ3 series compact cylinders include extruded aluminum bodies with bore sizes from 12mm to 100mm and strokes from 5mm to 100mm. All models are double acting with a female threaded piston rod and magnetic piston. Multiple sensor grooves allow easy mounting of 4mm round cylinder switches. These cylinders are interchangeable with other common brands and are factory lubricated for optimum performance and long life.

Features

- Ten bores: 12mm–100mm
- Strokes 5mm–100mm
- Counterbored and tapped mounting holes for multiple mounting options
- Work with 4mm round cylinder switches
- Mounting accessories sold separately



For mounting details refer to the installation guide by clicking or scanning the QR code

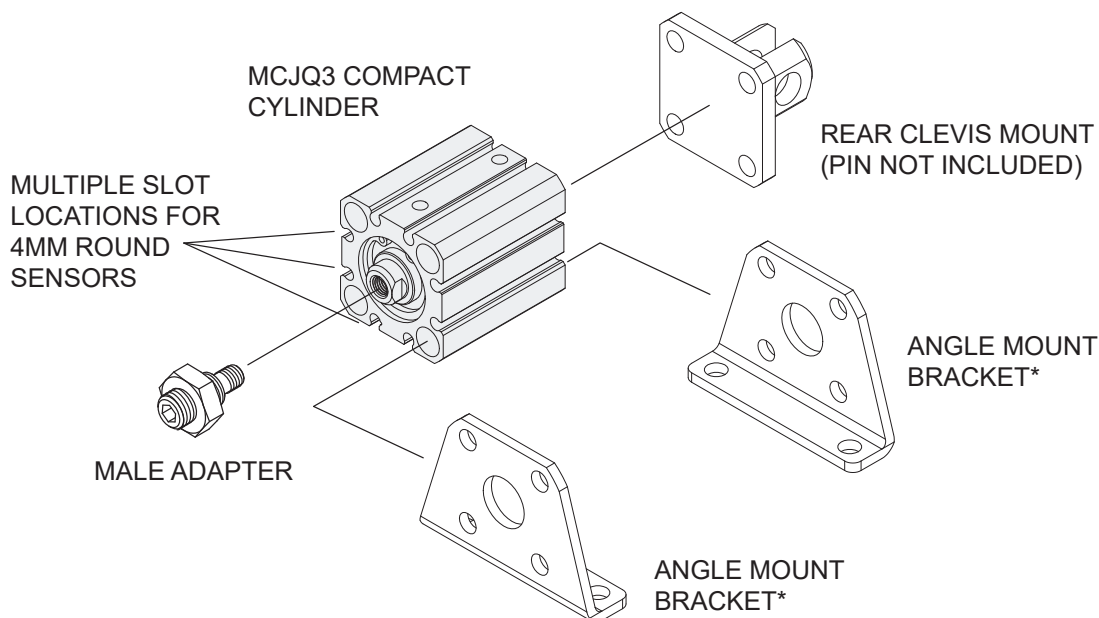


Visit www.automationdirect.com for a wide variety of application fittings.

MCJQ3 Series Compact Pneumatic Cylinders Technical Specifications

Bore	12mm	16mm	20mm	25mm	32mm	40mm	50mm	63mm	80mm	100mm
Max. Operating Pressure	145 psi									
Min. Operating Pressure	11 psi		8 psi							
Temperature Range	-0.5 to +60 °C [+31.1 to 140 °F]									
Design	Aluminum body; end caps and piston. Chrome-plated steel rod; NBR seals									
Fluid	Filtered air without lubrication; lubrication, if used, must be continuous									
Manufacturer Specifications	PDF									
Extend Force @ 100 psi (lbf)	18	31	49	76	125	195	304	483	779	1217
Retract Force @ 100 psi (lbf)	13	23	37	59	93	164	256	434	703	1108

Note: For additional installation details, please refer to the installation guide and manufacturer's specifications.

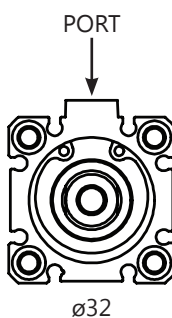
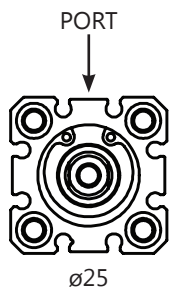
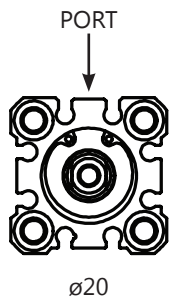
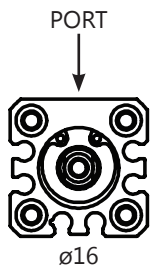
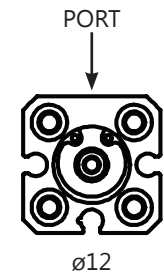


***Note:**

- Angle mount brackets for 32mm bore and larger only connect to the cylinder using the bottom 2 bolts.
- When using the angle mount bracket with normal stroke cylinders, the bracket and bolts may protrude beyond the end of the rod.



MCJQ3 Series Compact Cylinders

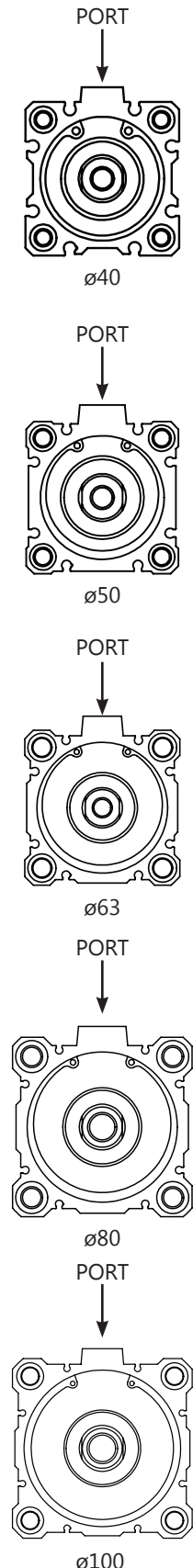


MCJQ3 Series Compact Pneumatic Cylinder Selection

Part Number	Bore	Rod Diameter	Port Size	Stroke	Drawing Link	Weight (lb)	Price
MCJQ312125M	12mm	6mm	M5 x 0.8 female ISO	5mm	PDF	0.10	\$21.00
MCJQ3121210M				10mm	PDF	0.12	\$21.50
MCJQ3121215M				15mm	PDF	0.13	\$22.00
MCJQ3121220M				20mm	PDF	0.15	\$22.50
MCJQ3121225M				25mm	PDF	0.16	\$22.50
MCJQ3121230M				30mm	PDF	0.17	\$23.50
MCJQ3121240M				40mm	PDF	0.24	\$24.50
MCJQ3121250M				50mm	PDF	0.27	\$25.50
MCJQ312165M	16mm	8mm	M5 x 0.8 female ISO	5mm	PDF	0.13	\$23.50
MCJQ3121610M				10mm	PDF	0.15	\$24.00
MCJQ3121615M				15mm	PDF	0.16	\$24.50
MCJQ3121620M				20mm	PDF	0.19	\$25.00
MCJQ3121625M				25mm	PDF	0.20	\$25.50
MCJQ3121630M				30mm	PDF	0.22	\$26.00
MCJQ3121640M				40mm	PDF	0.31	\$27.50
MCJQ3121650M				50mm	PDF	0.36	\$29.00
MCJQ312205M	20mm	10mm	M5 x 0.8 female ISO	5mm	PDF	0.22	\$30.00
MCJQ3122010M				10mm	PDF	0.24	\$30.50
MCJQ3122015M				15mm	PDF	0.27	\$30.50
MCJQ3122020M				20mm	PDF	0.29	\$31.00
MCJQ3122025M				25mm	PDF	0.32	\$31.00
MCJQ3122030M				30mm	PDF	0.35	\$31.50
MCJQ3122040M				40mm	PDF	0.41	\$32.50
MCJQ3122050M				50mm	PDF	0.45	\$33.00
MCJQ3122075M				75mm	PDF	0.85	\$37.50
MCJQ31220100M				100mm	PDF	1.04	\$42.00
MCJQ312255M	25mm	12mm	M5 x 0.8 female ISO	5mm	PDF	0.32	\$28.50
MCJQ3122510M				10mm	PDF	0.35	\$29.50
MCJQ3122515M				15mm	PDF	0.39	\$30.00
MCJQ3122520M				20mm	PDF	0.42	\$30.50
MCJQ3122525M				25mm	PDF	0.45	\$31.00
MCJQ3122530M				30mm	PDF	0.49	\$32.00
MCJQ3122540M				40mm	PDF	0.56	\$33.00
MCJQ3122550M				50mm	PDF	0.63	\$34.00
MCJQ3122575M				75mm	PDF	1.04	\$39.50
MCJQ31225100M				100mm	PDF	1.28	\$45.00
MCJQ312325MNPT	32mm	16mm	1/8in female NPT	5mm	PDF	0.43	\$31.00
MCJQ3123210MNPT				10mm	PDF	0.48	\$31.50
MCJQ3123215MNPT				15mm	PDF	0.52	\$31.50
MCJQ3123220MNPT				20mm	PDF	0.57	\$32.00
MCJQ3123225MNPT				25mm	PDF	0.62	\$32.50
MCJQ3123230MNPT				30mm	PDF	0.68	\$32.50
MCJQ3123240MNPT				40mm	PDF	0.77	\$33.50
MCJQ3123250MNPT				50mm	PDF	0.85	\$34.50
MCJQ3123275MNPT				75mm	PDF	1.11	\$41.50
MCJQ31232100MNPT				100mm	PDF	1.34	\$48.50



MCJQ3 Series Compact Cylinders



MCJQ3 Series Compact Pneumatic Cylinder Selection

Part Number	Bore	Rod Diameter	Port Size	Stroke	Drawing Link	Weight (lb)	Price
MCJQ312405MNPT	40mm	16mm	1/8in female NPT	5mm	PDF	0.65	\$39.50
MCJQ3124010MNPT				10mm	PDF	0.70	\$40.00
MCJQ3124015MNPT				15mm	PDF	0.76	\$40.50
MCJQ3124020MNPT				20mm	PDF	0.80	\$41.00
MCJQ3124025MNPT				25mm	PDF	0.86	\$41.50
MCJQ3124030MNPT				30mm	PDF	0.92	\$42.50
MCJQ3124040MNPT				40mm	PDF	1.02	\$43.00
MCJQ3124050MNPT				50mm	PDF	1.12	\$44.50
MCJQ3124075MNPT				75mm	PDF	1.38	\$54.00
MCJQ31240100MNPT				100mm	PDF	1.67	\$63.00
MCJQ312505MNPT	50mm	20mm	1/4in female NPT	5mm	PDF	1.03	\$47.00
MCJQ3125010MNPT				10mm	PDF	1.10	\$47.50
MCJQ3125015MNPT				15mm	PDF	1.18	\$48.50
MCJQ3125020MNPT				20mm	PDF	1.26	\$49.00
MCJQ3125025MNPT				25mm	PDF	1.34	\$49.50
MCJQ3125030MNPT				30mm	PDF	1.42	\$51.00
MCJQ3125040MNPT				40mm	PDF	1.58	\$52.00
MCJQ3125050MNPT				50mm	PDF	1.74	\$53.00
MCJQ3125075MNPT				75mm	PDF	2.16	\$65.00
MCJQ31250100MNPT				100mm	PDF	2.58	\$77.00
MCJQ312635MNPT	63mm	20mm	1/4in female NPT	5mm	PDF	1.51	\$57.00
MCJQ3126310MNPT				10mm	PDF	1.60	\$58.00
MCJQ3126315MNPT				15mm	PDF	1.69	\$59.00
MCJQ3126320MNPT				20mm	PDF	1.78	\$60.00
MCJQ3126325MNPT				25mm	PDF	1.87	\$60.00
MCJQ3126330MNPT				30mm	PDF	1.97	\$61.00
MCJQ3126340MNPT				40mm	PDF	2.15	\$63.00
MCJQ3126350MNPT				50mm	PDF	2.34	\$65.00
MCJQ3126375MNPT				75mm	PDF	2.81	\$79.00
MCJQ31263100MNPT				100mm	PDF	3.26	\$92.00
MCJQ312805MNPT	80mm	25mm	3/8in female NPT	5mm	PDF	2.65	\$86.00
MCJQ3128010MNPT				10mm	PDF	2.77	\$87.00
MCJQ3128015MNPT				15mm	PDF	2.92	\$88.00
MCJQ3128020MNPT				20mm	PDF	3.07	\$90.00
MCJQ3128025MNPT				25mm	PDF	3.22	\$91.00
MCJQ3128030MNPT				30mm	PDF	3.37	\$92.00
MCJQ3128040MNPT				40mm	PDF	3.66	\$94.00
MCJQ3128050MNPT				50mm	PDF	3.93	\$97.00
MCJQ3128075MNPT				75mm	PDF	4.67	\$105.00
MCJQ31280100MNPT				100mm	PDF	5.40	\$122.00
MCJQ3121005MNPT	100mm	30mm	3/8in female NPT	5mm	PDF	4.66	\$123.00
MCJQ31210010MNPT				10mm	PDF	4.84	\$124.00
MCJQ31210015MNPT				15mm	PDF	5.03	\$126.00
MCJQ31210020MNPT				20mm	PDF	5.21	\$127.00
MCJQ31210025MNPT				25mm	PDF	5.42	\$129.00
MCJQ31210030MNPT				30mm	PDF	5.63	\$130.00
MCJQ31210040MNPT				40mm	PDF	6.01	\$133.00
MCJQ31210050MNPT				50mm	PDF	6.41	\$136.00
MCJQ31210075MNPT				75mm	PDF	7.41	\$145.00
MCJQ312100100MNPT				100mm	PDF	8.43	\$166.00



MCJQ3 Series Compact Cylinder Accessories

MCJQ3 Series Compact Pneumatic Cylinder Accessories					
Item	Part No.	Description	Weight (lb)	Drawing Link	Price
	<u>LBJ112</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCJQ3 series 12mm cylinders. Mounting hardware included.	0.06	<u>PDF</u>	\$1.50
	<u>LBJ116</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCJQ3 series 16mm cylinders. Mounting hardware included.	0.07	<u>PDF</u>	\$1.50
	<u>LBJ120</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCJQ3 series 20mm cylinders. Mounting hardware included.	0.17	<u>PDF</u>	\$2.50
	<u>LBJ125</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCJQ3 series 25mm cylinders. Mounting hardware included.	0.19	<u>PDF</u>	\$2.50
	<u>LBJ132</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCJQ3 series 32mm cylinders. Mounting hardware included.	0.12	<u>PDF</u>	\$2.50
	<u>LBJ140</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCJQ3 series 40mm cylinders. Mounting hardware included.	0.14	<u>PDF</u>	\$2.50
	<u>LBJ150</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCJQ3 series 50mm cylinders. Mounting hardware included.	0.22	<u>PDF</u>	\$3.25
	<u>LBJ163</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCJQ3 series 63mm cylinders. Mounting hardware included.	0.34	<u>PDF</u>	\$4.00
	<u>LBJ180</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCJQ3 series 80mm cylinders. Mounting hardware included.	0.68	<u>PDF</u>	\$7.00
	<u>LBJ1100</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCJQ3 series 100mm cylinders. Mounting hardware included.	1.09	<u>PDF</u>	\$10.50
	<u>CBJ112</u>	Mindman rear clevis mount, plated steel. For use with Mindman MCJQ3 series 12mm cylinders. Mounting hardware included.	0.07	<u>PDF</u>	\$10.00
	<u>CBJ116</u>	Mindman rear clevis mount, plated steel. For use with Mindman MCJQ3 series 16mm cylinders. Mounting hardware included.	0.09	<u>PDF</u>	\$11.00
	<u>CBJ120</u>	Mindman rear clevis mount, cast iron. For use with Mindman MCJQ3 series 20mm cylinders. Mounting hardware included.	0.17	<u>PDF</u>	\$7.75
	<u>CBJ125</u>	Mindman rear clevis mount, cast iron. For use with Mindman MCJQ3 series 25mm cylinders. Mounting hardware included.	0.20	<u>PDF</u>	\$8.00
	<u>CBJ132</u>	Mindman rear clevis mount, cast iron. For use with Mindman MCJQ3 series 32mm cylinders. Mounting hardware included.	0.29	<u>PDF</u>	\$8.75
	<u>CBJ140</u>	Mindman rear clevis mount, cast iron. For use with Mindman MCJQ3 series 40mm cylinders. Mounting hardware included.	0.38	<u>PDF</u>	\$9.00
	<u>CBJ150</u>	Mindman rear clevis mount, cast iron. For use with Mindman MCJQ3 series 50mm cylinders. Mounting hardware included.	0.82	<u>PDF</u>	\$12.00
	<u>CBJ163</u>	Mindman rear clevis mount, cast iron. For use with Mindman MCJQ3 series 63mm cylinders. Mounting hardware included.	1.24	<u>PDF</u>	\$16.00
	<u>CBJ180</u>	Mindman rear clevis mount, cast iron. For use with Mindman MCJQ3 series 80mm cylinders. Mounting hardware included.	2.39	<u>PDF</u>	\$23.00
	<u>CBJ1100</u>	Mindman rear clevis mount, cast iron. For use with Mindman MCJQ3 series 100mm cylinders. Mounting hardware included.	3.93	<u>PDF</u>	\$31.00



MCJQ3 Series Compact Cylinder Accessories

MCJQ3 Series Compact Pneumatic Cylinder Accessories					
Item	Part No.	Description	Weight (lb)	Drawing Link	Price
	<u>PINJ1121P</u>	Mindman clevis pin, plated steel. For use with Mindman CBJ112 rear clevis mount. (2) snap rings included.	0.01	<u>PDF</u>	\$1.25
	<u>PINJ1161P</u>	Mindman clevis pin, plated steel. For use with Mindman CBJ116 rear clevis mount. (2) snap rings included.	0.01	<u>PDF</u>	\$1.25
	<u>PINJ1201P</u>	Mindman clevis pin, plated steel. For use with Mindman CBJ120 rear clevis mount. (2) snap rings included.	0.03	<u>PDF</u>	\$1.25
	<u>PINJ1251P</u>	Mindman clevis pin, plated steel. For use with Mindman CBJ125 rear clevis mount. (2) snap rings included.	0.04	<u>PDF</u>	\$1.25
	<u>PINJ1321P</u>	Mindman clevis pin, plated steel. For use with Mindman CBJ132 and CBJ140 rear clevis mounts. (2) snap rings included.	0.06	<u>PDF</u>	\$1.50
	<u>PINJ1501P</u>	Mindman clevis pin, plated steel. For use with Mindman CBJ150 and CBJ163 rear clevis mounts. (2) snap rings included.	0.14	<u>PDF</u>	\$4.00
	<u>PINJ1801P</u>	Mindman clevis pin, plated steel. For use with Mindman CBJ180 rear clevis mount. (2) snap rings included.	0.29	<u>PDF</u>	\$5.25
	<u>PINJ11001P</u>	Mindman clevis pin, plated steel. For use with Mindman CBJ1100 rear clevis mount. (2) snap rings included.	0.48	<u>PDF</u>	\$6.00
	<u>PSMCJQ12</u>	Mindman seal kit, replacement. For use with Mindman MCJQ3 series 12mm bore cylinders up to 30mm stroke. Includes rod packing, piston packing, cover ring, piston gasket and (2) cushion packings.	0.01	<u>PDF</u>	\$1.75
	<u>PSMCJQ16</u>	Mindman seal kit, replacement. For use with Mindman MCJQ3 series 16mm bore cylinders up to 30mm stroke. Includes rod packing, piston packing, cover ring, piston gasket and (2) cushion packings.	0.01	<u>PDF</u>	\$2.50
	<u>PSMCJQ20</u>	Mindman seal kit, replacement. For use with Mindman MCJQ3 series 20mm bore cylinders up to 50mm stroke. Includes rod packing, piston packing, cover ring, piston gasket and (2) cushion packings.	0.01	<u>PDF</u>	\$2.50
	<u>PSMCJQ25</u>	Mindman seal kit, replacement. For use with Mindman MCJQ3 series 25mm bore cylinders up to 50mm stroke. Includes rod packing, piston packing, cover ring, piston gasket and (2) cushion packings.	0.01	<u>PDF</u>	\$3.00
	<u>PSMCJQ32</u>	Mindman seal kit, replacement. For use with Mindman MCJQ3 series 32mm bore cylinders. Includes rod packing, piston packing, cover ring, piston gasket and (2) cushion packings.	0.01	<u>PDF</u>	\$3.00
	<u>PSMCJQ40</u>	Mindman seal kit, replacement. For use with Mindman MCJQ3 series 40mm bore cylinders. Includes rod packing, piston packing, cover ring, piston gasket and (2) cushion packings.	0.02	<u>PDF</u>	\$3.50
	<u>PSMCJQ50</u>	Mindman seal kit, replacement. For use with Mindman MCJQ3 series 50mm bore cylinders. Includes rod packing, piston packing, cover ring, piston gasket and (2) cushion packings.	0.02	<u>PDF</u>	\$4.00
	<u>PSMCJQ63</u>	Mindman seal kit, replacement. For use with Mindman MCJQ3 series 63mm bore cylinders. Includes rod packing, piston packing, cover ring, piston gasket and (2) cushion packings.	0.03	<u>PDF</u>	\$5.00
	<u>PSMCJQ80</u>	Mindman seal kit, replacement. For use with Mindman MCJQ3 series 80mm bore cylinders. Includes rod packing, piston packing, cover ring, piston gasket and (2) cushion packings.	0.06	<u>PDF</u>	\$6.75
	<u>PSMCJQ100</u>	Mindman seal kit, replacement. For use with Mindman MCJQ3 series 100mm bore cylinders. Includes rod packing, piston packing, cover ring, piston gasket and (2) cushion packings.	0.08	<u>PDF</u>	\$7.50
	<u>PSLMCJQ12</u>	Mindman seal kit, replacement. For use with Mindman MCJQ3 series 12mm bore cylinders 35mm and up stroke. Includes rod packing, piston packing, cover ring, piston gasket and (2) cushion packings.	0.01	<u>PDF</u>	\$1.75
	<u>PSLMCJQ16</u>	Mindman seal kit, replacement. For use with Mindman MCJQ3 series 16mm bore cylinders 35mm and up stroke. Includes rod packing, piston packing, cover ring, piston gasket and (2) cushion packings.	0.01	<u>PDF</u>	\$2.50
	<u>PSLMCJQ20</u>	Mindman seal kit, replacement. For use with Mindman MCJQ3 series 20mm bore cylinders 75mm and up stroke. Includes rod packing, piston packing, cover ring, piston gasket and (2) cushion packings.	0.01	<u>PDF</u>	\$2.50
	<u>PSLMCJQ25</u>	Mindman seal kit, replacement. For use with Mindman MCJQ3 series 25mm bore cylinders 75mm and up stroke. Includes rod packing, piston packing, cover ring, piston gasket and (2) cushion packings.	0.01	<u>PDF</u>	\$3.00



MCJQ3 Series Compact Cylinder Accessories

MCJQ3 Series Compact Pneumatic Cylinder Accessories					
Item	Part No.	Description	Weight (lb)	Drawing Link	Price
	<u>HMA-12M</u>	NITRA cylinder male adapter, M5 x 0.8 thread, stainless steel. For use with 12mm H-series cylinders. Hex nut included.	0.01	<u>PDF</u>	\$10.00
	<u>HMA-16M</u>	NITRA cylinder male adapter, M6 x 1.0 thread, stainless steel. For use with 16mm H-series cylinders. Hex nut included.	0.01	<u>PDF</u>	\$10.00
	<u>HMA-20M</u>	NITRA cylinder male adapter, M8 x 1.25 thread, stainless steel. For use with 20mm H-series cylinders. Hex nut included.	0.10	<u>PDF</u>	\$10.50
	<u>HMA-25M</u>	NITRA cylinder male adapter, M10 X 1.25 thread, stainless steel. For use with 25mm H-series cylinders. Hex nut included.	0.10	<u>PDF</u>	\$11.00
	<u>HMA-32M</u>	NITRA cylinder male adapter, M14 x 1.5 thread, stainless steel. For use with 32mm H-series cylinders. Hex nut included.	0.10	<u>PDF</u>	\$11.50
	<u>HMA-40M</u>	NITRA cylinder male adapter, M14 x 1.5 thread, stainless steel. For use with 40mm H-series cylinders. Hex nut included.	0.10	<u>PDF</u>	\$11.50
	<u>HMA-50M</u>	NITRA cylinder male adapter, M18 x 1.5 thread, stainless steel. For use with 50mm H-series cylinders. Hex nut included.	0.20	<u>PDF</u>	\$13.00
	<u>HMA-63M</u>	NITRA cylinder male adapter, M18 x 1.5 thread, stainless steel. For use with 63mm H-series cylinders. Hex nut included.	0.20	<u>PDF</u>	\$13.00
	<u>HMA-80M</u>	NITRA cylinder male adapter, M22 x 1.5 thread, stainless steel. For use with 80mm H-series cylinders. Hex nut included.	0.40	<u>PDF</u>	\$17.50
	<u>HMA-100M</u>	NITRA cylinder male adapter, M26 x 1.5 thread, stainless steel. For use with 100mm H-series cylinders. Hex nut included.	0.50	<u>PDF</u>	\$21.00