



MCQN Series NFPA Cylinders

Part No. [MCQN11400300M](#)

Mindman MCQN series are medium duty NFPA cylinders. Available in 5 bore sizes and strokes from 1 to 24 inches, these cylinders are an excellent choice for many general purpose applications. All models are double acting with a magnetic piston and adjustable cushions.

Features

- Double acting
- Aluminum tube and end caps
- Chrome-plated steel piston rod
- NBR seals
- Adjustable pneumatic cushions on both ends for all models
- Wide variety of mounting options
- Compatible with 5mm square sensors when used with CPSA-xx tie rod brackets



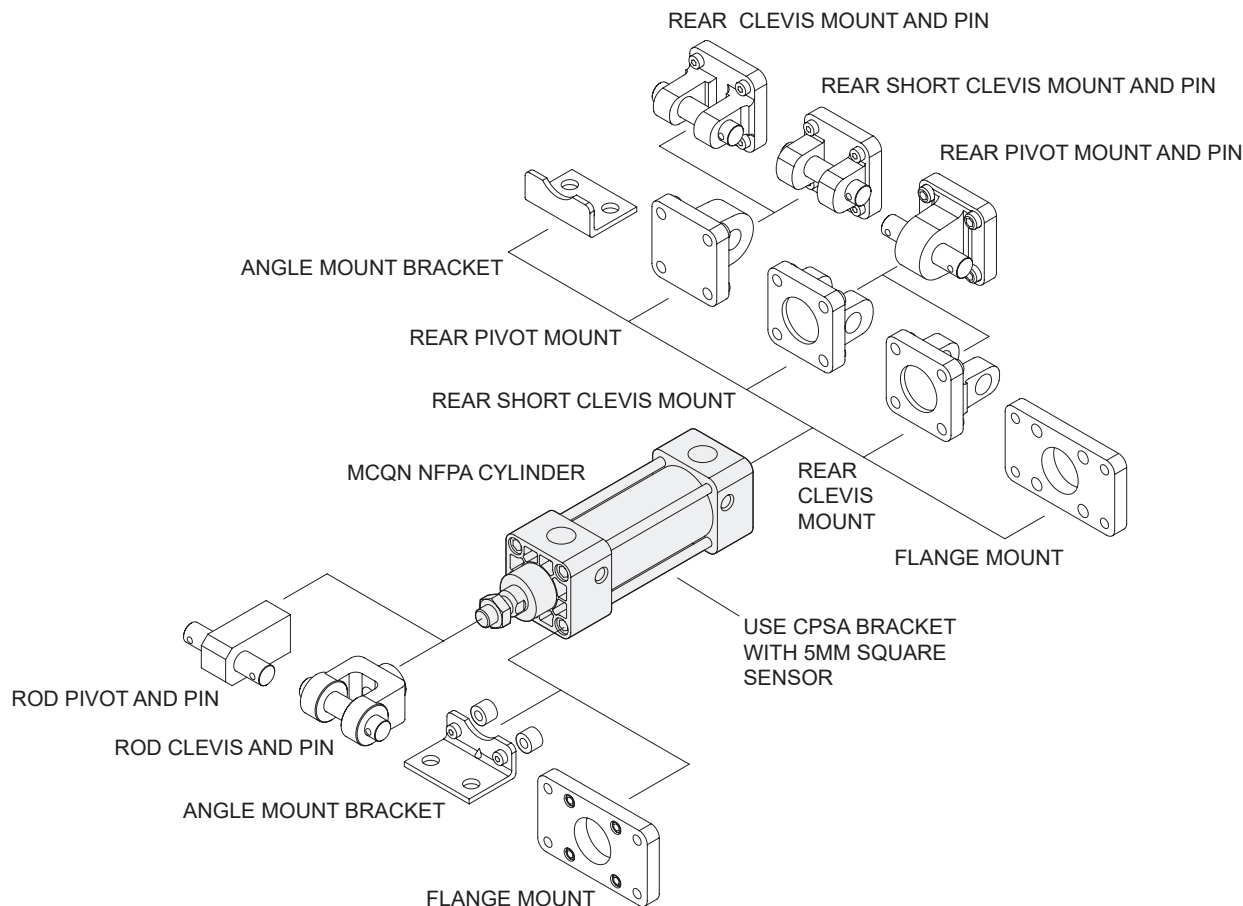
For mounting details refer to the installation guide by clicking or scanning the QR code



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

MCQN Series NFPA Pneumatic Cylinders Technical Specifications					
Bore	1-1/2in	2in	2-1/2in	3-1/4in	4in
Max. Operating Pressure	145 psi				
Min. Operating Pressure	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)	195	304	483	779	1217
Retract Force @ 100 psi (lbf)	164	274	452	701	1139

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





MCQN Series NFPA Cylinders

MCQN Series NFPA Pneumatic Cylinder Selection							
Part Number	Bore	Rod Diameter	Port Size	Stroke	Drawing Link	Weight (lb)	Price
MCQN11400100M	1-1/2in	5/8in	3/8in female NPT	1in	PDF	1.86	\$70.00
MCQN11400200M				2in	PDF	2.02	\$72.00
MCQN11400300M				3in	PDF	2.19	\$74.00
MCQN11400400M				4in	PDF	2.36	\$76.00
MCQN11400500M				5in	PDF	2.53	\$78.00
MCQN11400600M				6in	PDF	2.73	\$80.00
MCQN11400800M				8in	PDF	3.06	\$85.00
MCQN11401000M				10in	PDF	3.45	\$89.00
MCQN11401200M				12in	PDF	3.79	\$92.00
MCQN11401400M				14in	PDF	4.31	\$97.00
MCQN11401600M				16in	PDF	4.65	\$101.00
MCQN11401800M				18in	PDF	4.99	\$105.00
MCQN11402000M				20in	PDF	5.31	\$109.00
MCQN11500100M	2in	5/8in	3/8in female NPT	1in	PDF	2.62	\$74.00
MCQN11500200M				2in	PDF	2.81	\$76.00
MCQN11500300M				3in	PDF	3.01	\$78.00
MCQN11500400M				4in	PDF	3.22	\$81.00
MCQN11500500M				5in	PDF	3.45	\$83.00
MCQN11500600M				6in	PDF	3.66	\$85.00
MCQN11500800M				8in	PDF	4.06	\$90.00
MCQN11501000M				10in	PDF	4.56	\$95.00
MCQN11501200M				12in	PDF	4.98	\$99.00
MCQN11501400M				14in	PDF	5.54	\$103.00
MCQN11501600M				16in	PDF	5.95	\$107.00
MCQN11501800M				18in	PDF	6.35	\$112.00
MCQN11502000M				20in	PDF	6.75	\$116.00
MCQN11502400M				24in	PDF	7.89	\$127.00
MCQN11630100M	2-1/2in	5/8in	3/8in female NPT	1in	PDF	3.51	\$85.00
MCQN11630200M				2in	PDF	3.74	\$88.00
MCQN11630300M				3in	PDF	3.98	\$90.00
MCQN11630400M				4in	PDF	4.20	\$93.00
MCQN11630500M				5in	PDF	4.42	\$96.00
MCQN11630600M				6in	PDF	4.68	\$99.00
MCQN11630800M				8in	PDF	5.17	\$105.00
MCQN11631000M				10in	PDF	5.70	\$110.00
MCQN11631200M				12in	PDF	6.18	\$115.00
MCQN11631400M				14in	PDF	6.88	\$121.00
MCQN11631600M				16in	PDF	7.33	\$126.00
MCQN11631800M				18in	PDF	7.79	\$132.00
MCQN11632000M				20in	PDF	8.25	\$137.00
MCQN11632400M				24in	PDF	9.34	\$152.00



MCQN Series NFPA Cylinders

MCQN Series NFPA Pneumatic Cylinder Selection							
Part Number	Bore	Rod Diameter	Port Size	Stroke	Drawing Link	Weight (lb)	Price
MCQN11800100M	3-1/4in	1in	1/2in female NPT	1in	PDF	6.30	\$122.00
MCQN11800200M				2in	PDF	6.75	\$125.00
MCQN11800300M				3in	PDF	7.18	\$129.00
MCQN11800400M				4in	PDF	7.63	\$134.00
MCQN11800500M				5in	PDF	8.10	\$138.00
MCQN11800600M				6in	PDF	8.53	\$143.00
MCQN11800800M				8in	PDF	9.45	\$152.00
MCQN11801000M				10in	PDF	10.44	\$159.00
MCQN11801200M				12in	PDF	11.34	\$167.00
MCQN11801400M				14in	PDF	12.44	\$177.00
MCQN11801600M				16in	PDF	13.32	\$187.00
MCQN11801800M				18in	PDF	14.78	\$198.00
MCQN11802000M				20in	PDF	15.66	\$210.00
MCQN11802400M				24in	PDF	17.58	\$231.00
MCQN111000100M	4in	1in	1/2in female NPT	1in	PDF	8.21	\$143.00
MCQN111000200M				2in	PDF	8.65	\$147.00
MCQN111000300M				3in	PDF	9.12	\$152.00
MCQN111000400M				4in	PDF	9.59	\$157.00
MCQN111000500M				5in	PDF	10.10	\$162.00
MCQN111000600M				6in	PDF	10.60	\$167.00
MCQN111000800M				8in	PDF	11.58	\$177.00
MCQN111001000M				10in	PDF	12.62	\$185.00
MCQN111001200M				12in	PDF	13.55	\$194.00
MCQN111001400M				14in	PDF	14.75	\$205.00
MCQN111001600M				16in	PDF	15.70	\$216.00
MCQN111001800M				18in	PDF	16.68	\$228.00
MCQN111002000M				20in	PDF	17.64	\$241.00
MCQN111002400M				24in	PDF	20.07	\$263.00



MCQN Series NFPA Cylinder Accessories

MCQN Series NFPA Pneumatic Cylinder Accessories					
Item	Part No.	Description	Weight (lb)	Drawing Link	Price
	<u>LBQ540x2</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCQN series 1.5in cylinders. Mounting hardware included.	0.36	<u>PDF</u>	\$9.25
	<u>LBQ550x2</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCQN series 2in cylinders. Mounting hardware included.	0.54	<u>PDF</u>	\$15.50
	<u>LBQ563x2</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCQN series 2.5in cylinders. Mounting hardware included.	0.67	<u>PDF</u>	\$16.50
	<u>LBQ580x2</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCQN series 3.25in cylinders. Mounting hardware included.	1.41	<u>PDF</u>	\$21.50
	<u>LBQ5100x2</u>	Mindman angle mount bracket, plated steel. For use with Mindman MCQN series 4in cylinders. Mounting hardware included.	2.12	<u>PDF</u>	\$25.50
	<u>CAQ540</u>	Mindman rear pivot mount, cast iron. For use with Mindman MCQN series 1.5in cylinders. Mounting hardware included.	0.62	<u>PDF</u>	\$21.00
	<u>CAQ550</u>	Mindman rear pivot mount, cast iron. For use with Mindman MCQN series 2in cylinders. Mounting hardware included.	0.94	<u>PDF</u>	\$27.00
	<u>CAQ563</u>	Mindman rear pivot mount, cast iron. For use with Mindman MCQN series 2.5in cylinders. Mounting hardware included.	1.19	<u>PDF</u>	\$33.00
	<u>CAQ580</u>	Mindman rear pivot mount, cast iron. For use with Mindman MCQN series 3.25in cylinders. Mounting hardware included.	3.24	<u>PDF</u>	\$52.00
	<u>CAQ5100</u>	Mindman rear pivot mount, cast iron. For use with Mindman MCQN series 4in cylinders. Mounting hardware included.	4.27	<u>PDF</u>	\$61.00
	<u>CBQ540</u>	Mindman rear clevis mount, cast iron. For use with Mindman MCQN series 1.5in cylinders. Mounting hardware included.	0.44	<u>PDF</u>	\$24.50
	<u>CBQ550</u>	Mindman rear clevis mount, cast iron. For use with Mindman MCQN series 2in cylinders. Mounting hardware included.	0.80	<u>PDF</u>	\$31.50
	<u>CBQ563</u>	Mindman rear clevis mount, cast iron. For use with Mindman MCQN series 2.5in cylinders. Mounting hardware included.	1.09	<u>PDF</u>	\$35.50
	<u>CBQ580</u>	Mindman rear clevis mount, cast iron. For use with Mindman MCQN series 3.25in cylinders. Mounting hardware included.	2.36	<u>PDF</u>	\$48.50
	<u>CBQ5100</u>	Mindman rear clevis mount, cast iron. For use with Mindman MCQN series 4in cylinders. Mounting hardware included.	3.70	<u>PDF</u>	\$69.00
	<u>CB2Q540</u>	Mindman rear long clevis mount, cast iron. For use with Mindman MCQN series 1.5in cylinders. Mounting hardware included.	0.58	<u>PDF</u>	\$25.50
	<u>CB2Q550</u>	Mindman rear long clevis mount, cast iron. For use with Mindman MCQN series 2in cylinders. Mounting hardware included.	0.91	<u>PDF</u>	\$32.00
	<u>CB2Q563</u>	Mindman rear long clevis mount, cast iron. For use with Mindman MCQN series 2.5in cylinders. Mounting hardware included.	1.21	<u>PDF</u>	\$34.00
	<u>CB2Q580</u>	Mindman rear long clevis mount, cast iron. For use with Mindman MCQN series 3.25in cylinders. Mounting hardware included.	3.17	<u>PDF</u>	\$60.00
	<u>CB2Q5100</u>	Mindman rear long clevis mount, cast iron. For use with Mindman MCQN series 4in cylinders. Mounting hardware included.	4.24	<u>PDF</u>	\$82.00



MCQN Series NFPA Cylinder Accessories

MCQN Series NFPA Pneumatic Cylinder Accessories					
Item	Part No.	Description	Weight (lb)	Drawing Link	Price
	<u>FACQ540</u>	Mindman flange mount, plated steel. For use with Mindman MCQN series 1.5in cylinders. Mounting hardware included.	0.58	<u>PDF</u>	\$36.00
	<u>FACQ550</u>	Mindman flange mount, plated steel. For use with Mindman MCQN series 2in cylinders. Mounting hardware included.	0.94	<u>PDF</u>	\$39.00
	<u>FACQ563</u>	Mindman flange mount, plated steel. For use with Mindman MCQN series 2.5in cylinders. Mounting hardware included.	1.33	<u>PDF</u>	\$42.50
	<u>FACQ580</u>	Mindman flange mount, plated steel. For use with Mindman MCQN series 3.25in cylinders. Mounting hardware included.	3.37	<u>PDF</u>	\$54.00
	<u>FACQ5100</u>	Mindman flange mount, plated steel. For use with Mindman MCQN series 4in cylinders. Mounting hardware included.	4.76	<u>PDF</u>	\$64.00
	<u>YQ540</u>	Mindman rod clevis, cast iron. For use with Mindman MCQN series 1.5, 2 and 2.5in cylinders.	0.37	<u>PDF</u>	\$21.50
	<u>YQ580</u>	Mindman rod clevis, cast iron. For use with Mindman MCQN series 3.25 and 4in cylinders.	1.25	<u>PDF</u>	\$33.00
	<u>IQ540</u>	Mindman rod pivot, plated steel. For use with Mindman MCQN series 1.5, 2 and 2.5in cylinders.	0.34	<u>PDF</u>	\$17.00
	<u>IQ580</u>	Mindman rod pivot, plated steel. For use with Mindman MCQN series 3.25 and 4in cylinders.	1.23	<u>PDF</u>	\$26.00
	<u>PINQ5401P</u>	Mindman clevis pin, plated steel. For use with Mindman MCQN series 1.5, 2 and 2.5in bore cylinders. (2) cotter pins included.	0.14	<u>PDF</u>	\$3.75
	<u>PINQ5801P</u>	Mindman clevis pin, plated steel. For use with Mindman MCQN series 3.25 and 4in bore cylinders. (2) cotter pins included.	0.41	<u>PDF</u>	\$6.50
	<u>PSMCQN40</u>	Mindman seal kit, replacement. For use with Mindman MCQN series 1.5in bore cylinders. Includes rod packing, piston packing, (5) O-rings and (2) cushion packings.	0.02	<u>PDF</u>	\$9.00
	<u>PSMCQN50</u>	Mindman seal kit, replacement. For use with Mindman MCQN series 2in bore cylinders. Includes rod packing, piston packing, (5) O-rings and (2) cushion packings.	0.03	<u>PDF</u>	\$10.50
	<u>PSMCQN63</u>	Mindman seal kit, replacement. For use with Mindman MCQN series 2.5in bore cylinders. Includes rod packing, piston packing, (5) O-rings and (2) cushion packings.	0.03	<u>PDF</u>	\$11.50
	<u>PSMCQN80</u>	Mindman seal kit, replacement. For use with Mindman MCQN series 3.25in bore cylinders. Includes rod packing, piston packing, (5) O-rings and (2) cushion packings.	0.06	<u>PDF</u>	\$13.00
	<u>PSMCQN100</u>	Mindman seal kit, replacement. For use with Mindman MCQN series 4in bore cylinders. Includes rod packing, piston packing, (5) O-rings and (2) cushion packings.	0.07	<u>PDF</u>	\$14.50