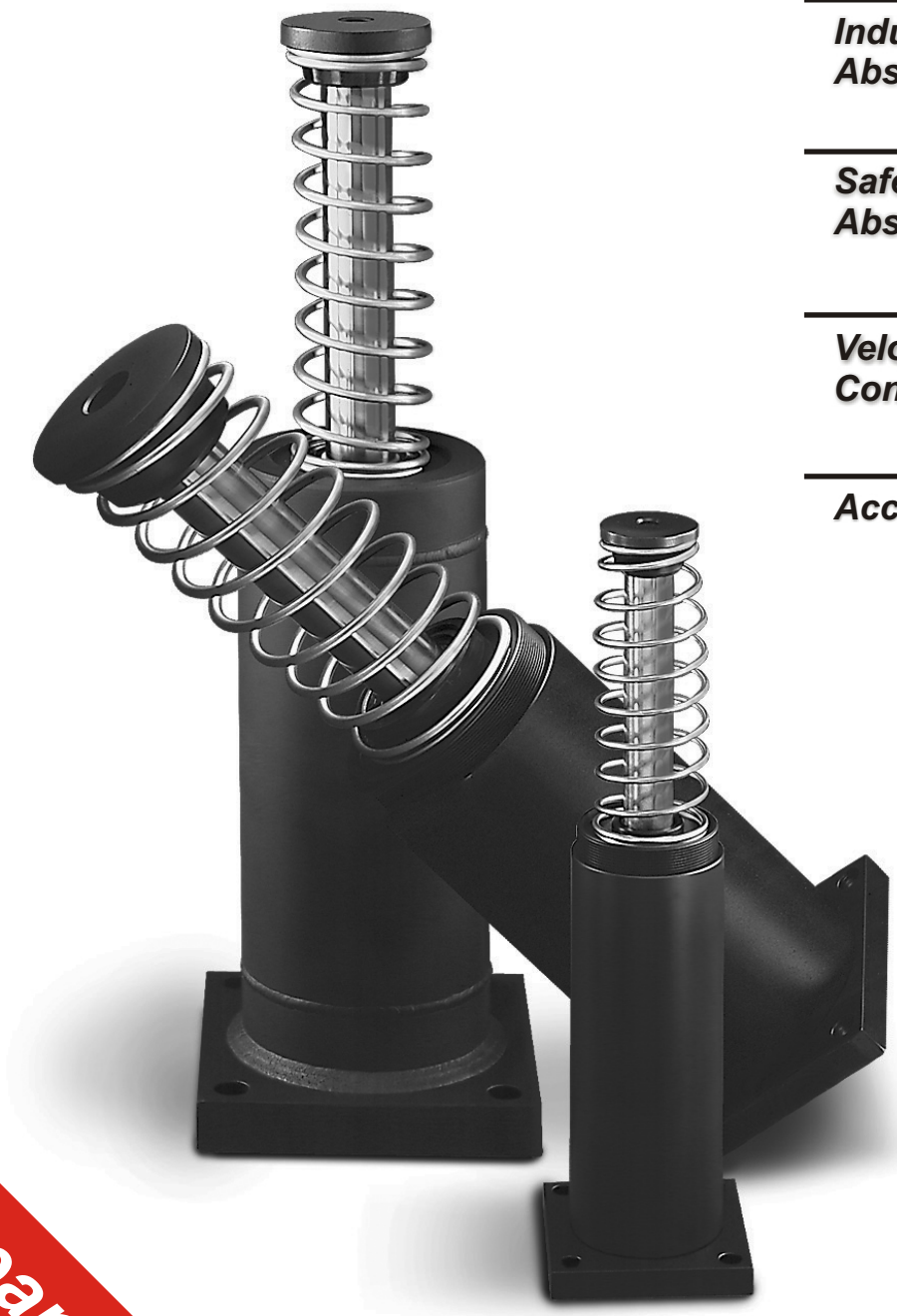




®

World leader in deceleration technology

Price List



Industrial Shock Absorbers



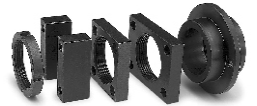
Safety Shock Absorbers



Velocity and Feed Controllers



Accessories



Company Confidential



The ACE Lifetime Warranty

ACE Controls, Inc. products are free of defects in material and workmanship. ACE Controls, Inc. will repair or replace any of its products determined to have a defect in material or workmanship at any time for the life of the product.

This warranty is limited to defects in material and workmanship. ACE Controls Inc. will not be responsible for any incidental or consequential damages, nor will any allowances be made for labor, material, time, damage or transportation claims. Any disassembly prior to receipt by ACE Controls, Inc. voids the warranty. Shock absorbers that have been damaged, or failed due to improper installation, application, or normal wear will be repaired under the ACE repair policy.

Shock absorbers repaired or replaced under warranty will be returned freight prepaid to the customer.

All products returned to ACE for warranty repair or evaluation must be sent freight prepaid.

All products repaired by ACE Controls, Inc. are backed by the same lifetime warranty as new units.

Repair Policy

All units sent to ACE for repair will be evaluated and categorized as follows:

- I. REPAIRABLE - Units that require only a repair kit. Customer/Distributor will be charged for the repair kit.
- II. In addition to the flat rate, damaged or missing locknuts and/or mounting hardware called out in the model numbers will be replaced at current published prices.
- III. REPAIRABLE - Units whose cumulative value of the required replacement parts DOES NOT exceed two-thirds of the list price of a new shock absorber. Customer/Distributor will be charged for replacement parts.
- IIII. BEYOND REPAIR - Units that require sufficient new parts so that the cumulative values exceeds two-thirds of the list price of a new shock absorber will be considered BEYOND REPAIR. At the direction of the Customer/Distributor units will be returned, freight collect, or scrapped at ACE. After 30 days from notice of repair findings the shocks will be automatically scrapped at ACE.
- V. There is a \$25.00 charge, per line item, for inspection. This will be waived if the shock absorber is scrapped and a new shock ordered from ACE Controls or if the shock absorber is found to be a valid warranty, or if ACE repairs the units at the quoted price.

FREIGHT CHARGES - are the responsibility of the Customer/Distributor. Shipments received at ACE, freight collect, will be charged back on the repair invoice.

Models non-repairable

FA Series
 3/8"
 5/8"
 VC Series
 MC 5, 9, 10, 25, 30, 75, 150, 225, 600 and 1000
 MA 30, 35, 150, 225, 600
 MVC 225, 600
 DVC
 SC's
 Gas Springs
 HB Series

Obsolete models non-repairable*

SAHS, AHS, AAHS, & AHSS 3/4", 2" and 3"
 1-1/8 and 1-1/2" Bore Models
 1/4" Bore
 2FAHS & 2BFAHS 1-1/2" Bore Models
 1/2, 3/4 and 1-1/8 Primary Series
 MS units

***Direct functional replacements are available.**

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\$50.00 minimum list price charge per order.

Prices subject to change without prior notice.

MC Series Models

MC 5	Price	Part
MC 5M1	45.44	183-0001
MC 5M2		183-0002
MC 5M3		183-0003
MC 5M1-B	46.37	183-0004
MC 5M2-B		183-0005
MC 5M3-B		183-0006

MC 9	Price	Part
MC 9M1	22.11	184-0001
MC 9M2		184-0002
MC 9M1-B	23.08	184-0003
MC 9M2-B		184-0004

MC 10	Price	Part
MC 10EL	22.11	186-0003
MC 10EH		186-0004
MC 10ML	22.11	186-0005
MC 10MH		186-0006
MC 10EL-B	23.08	186-0019
MC 10EH-B		186-0020
MC 10ML-B	23.08	186-0021
MC 10MH-B		186-0022

MC 25	Price	Part
MC 25	23.20	187-0201
MC 25M		187-0202
MC 25H	23.20	187-0203
MC 25MH		187-0204
MC 25L	23.20	187-0208
MC 25ML		187-0207
MC 25-NB	22.38	187-0211
MC 25M-NB		187-0212
MC 25H-NB	22.38	187-0216
MC 25MH-NB		187-0213
MC 25L-NB	22.32	187-0217
MC 25ML-NB		187-0223
MC 25-880	22.38	187-9217
MC 25M-880		187-9205
MC 25L-880		187-9218
MC 25H-880	22.32	187-9219
MC 25MH-880		187-9207
MC 25-BP	32.64	187-9270
MC 25M-BP		187-9271
MC 25MH-BP		187-9279

MC 30	Price	Part
MC 30M1	39.85	129-0001
MC 30M2		129-0002
MC 30M3		129-0003
MC 30M1-NB	39.09	129-0010
MC 30M2-NB		129-0011
MC 30M3-NB		129-0012
MC 30M1-BP	49.29	129-9001
MC 30M2-BP		129-9002
MC 30M3-BP		129-9003
MC 30M1-Z	45.15	129-9004
MC 30M2-Z		129-9005
MC 30M3-Z		129-9006
MC 30M1-NB-Z	44.41	129-9007
MC 30M2-NB-Z		129-9008
MC 30M3-NB-Z		129-9009

MC 75	Price	Part
MC 75-1	30.35	188-0301
MC 75-2		188-0302
MC 75-3		188-0303
MC 75M-1	30.35	188-0304
MC 75M-2		188-0305
MC 75M-3		188-0306
MC 75-1-NB	29.48	188-0316
MC 75-2-NB		188-0317
MC 75-3-NB		188-0318
MC 75M1-NB	29.48	188-0319
MC 75M2-NB		188-0320
MC 75M3-NB		188-0321
MC 75-1-880	29.48	188-9301
MC 75-2-880		188-9302
MC 75-3-880		188-9303
MC 75M1-880	29.48	188-9304
MC 75M2-880		188-9305
MC 75M3-880		188-9306
MC 75-1-BP	39.79	188-4353
MC 75-2-BP		188-9354
MC 75-3-BP		188-9354
MC 75M1-BP	39.79	188-9355
MC 75M2-BP		188-9356
MC 75M3-BP		188-9357

MC 150	Price	Part
MC 150	43.51	190-0301
MC 150M		190-0304
MC 150-B	46.13	190-0319
MC 150M-B		190-0325
MC 150-BS	48.20	190-0320
MC 150M-BS		190-0326
MC 150H	50.38	190-0302
MC 150MH		190-0305
MC 150H2	51.64	190-0303
MC 150MH2		190-0306
MC 150H-B	53.01	190-0321
MC 150MH-B		190-0327
MC 150H2-B	54.37	190-0323
MC 150MH2-B		190-0329
MC 150H-BS	55.52	190-0322
MC 150MH-BS		190-0328
MC 150H2-BS	56.78	190-0324
MC 150MH2-BS		190-0330
MC 150-BP	53.23	190-9301
MC 150M-BP		190-9302
MC 150H-BP	60.11	190-9357
MC 150MH-BP		190-9361
MC 150H2-BP	61.36	190-9337
MC 150MH2-BP		190-9354
MC 150MEH-BP	61.79	190-9375

Steel Button/Urethane Cap Adder

Model	Price
MC 25, 30 & 75	9.43
MC 150	9.71
MC 225	10.25
MC 600	10.31

Ordering installed at factory use -BP (Example: MC 150-BP)

If ordering as an accessory see page 2.

MC 225	Price	Part
MC 225	45.20	191-0301
MC 225M		191-0304
MC 225-B	48.69	191-0319
MC 225M-B		191-0325
MC 225-BS	50.83	191-0320
MC 225M-BS		191-0326
MC 225H	52.89	191-0302
MC 225MH		191-0305
MC 225H2	55.79	191-0303
MC 225MH2		191-0306
MC 225H-B	56.34	191-0321
MC 225MH-B		191-0327
MC 225H-BS	58.52	191-0322
MC 225MH-BS		191-0328
MC 225H2-B	59.24	191-0323
MC 225MH2-B		191-0329
MC 225H2-BS	61.36	191-0324
MC 225MH2-BS		191-0330
MC 225-BP	55.47	191-9301
MC 225M-BP		191-9302
MC 225H-BP	63.15	191-9346

MC 600	Price	Part
MC 600	63.93	192-0301
MC 600M		192-0304
MC 600ML	65.45	192-0335
MC 600-B	69.06	192-0319
MC 600M-B		192-0325
MC 600ML-B	70.70	192-0342
MC 600H	71.85	192-0302
MC 600MH		192-0305
MC 600-BS	72.45	192-0320
MC 600M-BS		192-0326
MC 600MLH	73.32	192-0336
MC 600ML-BS	74.03	192-0343
MC 600H2	74.03	192-0303
MC 600MH2		192-0306
MC 600MLH2	76.37	192-0337
MC 600H-B	76.98	192-0321
MC 600MH-B		192-0327
MC 600H2-B	79.92	192-0323
MC 600MH2-B		192-0329
MC 600MLH-B	79.92	192-0340
MC 600H-BS	80.36	192-0322
MC 600MH-BS		192-0328
MC 600MLH2-B	81.51	192-0352
MC 600MH2-BS	82.22	192-0330
MC 600H2-BS	83.31	192-0324
MC 600MLH-BS		192-0332
MC 600MLH2-BS	84.90	192-0353
MC 600-BP	74.24	192-9301
MC 600M-BP		192-9302
MC 600H-BP	82.17	192-9352
MC 600MH-BP		192-9351
MC 600MH2-BP	86.20	192-9370
MC 600ML-BP	76.87	192-9350
MC 600MLH-BP	83.64	192-9348
MC 600MLH2-BP	86.69	192-9373

All models include one lock nut.

Accessory	Price	Standard Part	Metric Part	Metric-ME/ML Price	Metric-ME/ML Part
Lock Nut					
MC 5M	.75	N/A	0801-001	N/A	N/A
MC 10E	1.09	N/A	250-0362	N/A	N/A
MC 10M	1.09	N/A	250-0482	N/A	N/A
MC 25	1.09	250-0404	250-0315	N/A	N/A
MC 30	1.09	N/A	250-0482	N/A	N/A
MC 75	1.09	250-0405	250-0317	N/A	N/A
MC 150	1.63	250-0231	250-0233	2.06	250-0232
MC 225	1.74	250-0399	250-0207	2.06	250-0234
MC 600	2.06	250-0400	250-0040	2.50	250-0239
Mounting Block					
MC 25	13.97	250-0306	250-0307	T	T
MC 75	13.97	250-0308	250-0309	T	T
MC 150	16.75	250-0318	250-0352	T	T
MC 225	17.52	250-0401	250-0353	N/A	N/A
MC 600	18.29	250-0402	250-0044	T	T
Stop Collar					
MC 25	5.39	250-0406	250-0408	T	T
MC 75	5.39	250-0407	250-0409	T	T
MC 150	6.11	250-0271	250-0272	5.89	250-0261
MC 225	6.98	250-0403	250-0410	6.98	250-0262
MC 600	11.51	250-0275	250-0276	11.51	250-0263
Nylon Button					
MC 150	2.61	250-0753	250-0753	2.61	250-0753
MC 225	3.43	250-0754	250-0754	3.43	250-0754
MC 600	5.12	250-0755	250-0755	5.12	250-0755
Adapter (Convert to 1" - 12 UNF thread)					
MC & MA 225	10.31	250-0210	N/A	T	T
Rear Clevis					
MC 600	31.55	08897-000	08897-000		
StopLight™ Assembly					
MC 150-NPN	76.54	250-0386	250-0388		
MC 150-PNP	76.54	250-0387	250-0389		
MC 225-NPN	79.10	250-0390	250-0392		
MC 225-PNP	79.10	250-0391	250-0393		
MC 600-NPN	84.73	250-0394	250-0396		
MC 600-PNP	84.73	250-0395	250-0397		
StopLight™ Proximity Switch Assembly					
MC 150, 225 & 600-NPN	65.07	250-3NPN	250-3NPN	N/A	N/A
MC 150, 225 & 600-PNP	65.07	250-3PNP	250-3PNP	N/A	N/A
StopLight™ Mounting Block Assembly					
MC 150	19.26	250-0377	250-0378		
MC 225	21.17	250-0379	250-0380		
MC 600	24.18	250-0381	250-0382		
Steel Button Assembly					
MC 150	5.18	250-0111	250-0111		
MC 225	5.61	250-0112	250-0112		
MC 600	8.51	250-0113	250-0113		
Steel Button/Urethane Cap Assembly *					
MC 25 & 75	14.89	250-0094	T		
MC 30	14.89		250-0764		
MC 150	15.66	250-0095			
MC 225	19.38	250-0097	T		
MC 600	21.77	250-0099	T	T	T
Side Load Adapters					
MC 150M		N/A	250-0558	44.92	
MC 225M	75.97	250-0561	250-0559	51.59	
MC 600M	55.12	250-0763	250-0560	57.87	

*If ordering installed at factory, see page 1 for price adder.



Models SC 190 and 300

SC 190	Price	Part
SC 190-0	48.69	194-0001
SC 190-1	46.13	194-0002
SC 190-2		194-0003
SC 190-3		194-0004
SC 190-4		194-0005
SC 190M0		48.69
SC 190M1	46.13	194-0007
SC 190M2		194-0008
SC 190M3		194-0009
SC 190M4		194-0010

SC 190	Price	Part
SC 190-1-NB	44.65	194-0027
SC 190-2-NB		194-0028
SC 190-3-NB		194-0029
SC 190-4-NB		194-0030
SC 190M1-NB		194-0032
SC 190M2-NB	44.65	194-0033
SC 190M3-NB		194-0034
SC 190M4-NB		194-0035
SC 190-2-880	44.65	194-9006
SC 190-3-880		194-9008
SC 190-4-880		194-9007

SC 190	Price	Part
SC 190-1-BP	55.84	194-9048
SC 190-2-BP		194-9049
SC 190-3-BP		194-9050
SC 190-4-BP		194-9051
SC 190M1-BP		194-9053
SC 190M2-BP	55.84	194-9054
SC 190M3-BP		194-9055
SC 190M4-BP		194-9056

SC 300	Price	Part
SC 300-0	51.10	195-0001
SC 300-1	48.20	195-0002
SC 300-2		195-0003
SC 300-3		195-0004
SC 300-4		195-0005
SC 300M0		51.10
SC 300M1	48.20	195-0007
SC 300M2		195-0008
SC 300M3		195-0009
SC 300M4		195-0010

SC 300	Price	Part
SC 300-1-NB	46.84	195-0027
SC 300-2-NB		195-0028
SC 300-3-NB		195-0029
SC 300-4-NB		195-0030
SC 300M1-NB		195-0032
SC 300M2-NB	46.84	195-0033
SC 300M3-NB		195-0034
SC 300M4-NB		195-0035
SC 300-1-880	46.84	195-9007
SC 300-2-880		195-9008
SC 300-3-880		195-9009
SC 300-4-880		195-9001

SC 300	Price	Part
SC 300-1-BP	59.95	195-9061
SC 300-2-BP		195-9062
SC 300-3-BP		195-9063
SC 300-4-BP		195-9064
SC 300M1-BP		195-9066
SC 300M2-BP	59.95	195-9067
SC 300M3-BP		195-9068
SC 300M4-BP		195-9069

All models include one lock nut.

Models SC 650 and 925

SC 650	Price	Part
SC 650-0	74.52	196-0001
SC 650-1	71.73	196-0002
SC 650-2		196-0003
SC 650-3		196-0004
SC 650-4		196-0005
SC 650M0		74.52
SC 650M1	71.73	196-0007
SC 650M2		196-0008
SC 650M3		196-0009
SC 650M4		196-0010

SC 650	Price	Part
SC 650-1-NB	69.34	196-0027
SC 650-2-NB		196-0028
SC 650-3-NB		196-0029
SC 650-4-NB		196-0030
SC 650M1-NB		196-0032
SC 650M2-NB	69.34	196-0033
SC 650M3-NB		196-0034
SC 650M4-NB		196-0035
SC 650-1-880	69.34	196-9035
SC 650-2-880		196-9038
SC 650-3-880		196-9017
SC 650-4-880		196-9020

SC 650	Price	Part
SC 650-1-BP	82.05	196-9073
SC 650-2-BP		196-9074
SC 650-3-BP		196-9075
SC 650-4-BP		196-9076
SC 650M1-BP		196-9078
SC 650M2-BP	82.05	196-9079
SC 650M3-BP		196-9080
SC 650M4-BP		196-9081

SC 925	Price	Part
SC 925-0	107.56	197-0001
SC 925-1	105.04	197-0002
SC 925-2		197-0003
SC 925-3		197-0004
SC 925-4		197-0005
SC 925M0		107.56
SC 925M1	105.04	197-0007
SC 925M2		197-0008
SC 925M3		197-0009
SC 925M4		197-0010

SC 925	Price	Part
SC 925-1-NB	102.85	197-0027
SC 925-2-NB		197-0028
SC 925-4-NB		197-0030
SC 925M0-880		197-9007
SC 925M1-880	102.85	197-9003
SC 925M2-880		197-9004
SC 925M3-880		197-9005
SC 925M4-880		197-9019

SC 925	Price	Part
SC 925-1-BP	115.36	197-9025
SC 925-2-BP		197-9026
SC 925-3-BP		197-9027
SC 925-4-BP		197-9028
SC 925M1-BP		197-9030
SC 925M2-BP	115.36	197-9031
SC 925M3-BP		197-9032
SC 925M4-BP		197-9033

(-BP) Steel Button/Urethane Cap Adder

Model	Price
SC 190	9.71
SC 300	10.25
SC 650 & 925	10.31

All models include one lock nut.

If ordering installed at factory use -BP
(Example: SC 190-BP)
If ordering as an accessory see page 5.

Models SC 25, 75 and 190

SC 25	Price	Part
SC 25M5		201-0001
SC 25M6	69.60	201-0002
SC 25M7		201-0003

SC 190	Price	Part
SC 190M5		194-0113
SC 190M6	83.70	194-0114
SC 190M7		194-0115

SC 190	Price	Part
SC 190ME5		194-0101
SC 190ME6	83.90	194-0102
SC 190ME7		194-0103
SC 190ME5-BS		194-0122
SC 190ME6-BS	88.65	194-0123
SC 190ME7-BS		194-0124
SC 190ME5-BP		194-0131
SC 190ME6-BP	92.80	194-0132
SC 190ME7-BP		194-0133

SC 75	Price	Part
SC 75M5		202-0001
SC 75M6	74.90	202-0002
SC 75M7		202-0003

(-BP) Steel Button/Urethane Cap Adder

Model	Price
SC 190M (5,6,7)	9.25

All models include one lock nut.

Models SC 300 and 650

SC 300	Price	Part
SC 300-5		195-0121
SC 300-6		195-0122
SC 300-7	91.40	195-0123
SC 300-8		195-0101
SC 300-9		195-0102
SC 300M5		195-0124
SC 300M6		195-0125
SC 300M7	91.40	195-0126
SC 300M8		195-0103
SC 300M9		195-0104

SC 300	Price	Part
SC 300-5-NB		195-0133
SC 300-6-NB		195-0134
SC 300-7-NB	90.10	195-0135
SC 300-8-NB		195-0111
SC 300-9-NB		195-0112
SC 300M5-NB		195-0136
SC 300M6-NB		195-0137
SC 300M7-NB	90.10	195-0138
SC 300M8-NB		195-0113
SC 300M9-NB		195-0114

SC 300	Price	Part
SC 300-5-880		195-0139
SC 300-6-880		195-0140
SC 300-7-880	90.10	195-0141
SC 300-8-880		195-0142
SC 300-9-880		195-0143
SC 300M5-880		195-0144
SC 300M6-880		195-0145
SC 300M7-880	90.10	195-0146
SC 300M8-880		195-9048
SC 300M9-880		195-9126

SC 650	Price	Part
SC 650-5		196-0121
SC 650-6		196-0122
SC 650-7	110.70	196-0123
SC 650-8		196-0101
SC 650-9		196-0102
SC 650M5		196-0124
SC 650M6		196-0125
SC 650M7	110.70	196-0126
SC 650M8		196-0103
SC 650M9		196-0104

SC 650	Price	Part
SC 650-5-NB		196-0127
SC 650-6-NB		196-0134
SC 650-7-NB	109.40	196-0135
SC 650-8-NB		196-0111
SC 650-9-NB		196-0112
SC 650M5-NB		196-0136
SC 650M6-NB		196-0137
SC 650M7-NB	109.40	196-0138
SC 650M8-NB		196-0113
SC 650M9-NB		196-0114

SC 650	Price	Part
SC 650-5-880		196-0139
SC 650-6-880		196-0140
SC 650-7-880	109.40	196-0141
SC 650-8-880		196-0142
SC 650-9-880		196-0143
SC 650M5-880		196-0144
SC 650M6-880		196-0145
SC 650M7-880	109.40	196-0146
SC 650M8-880		196-0147
SC 650M9-880		196-0148

All models include one lock nut.

Models SC 25, 75, 190, 300, 650 High Cycle

SC 25	Price	Part
SC 25M5-HC		201-0013
SC 25M6-HC	72.55	201-0014
SC 25M7-HC		201-0015

SC 300	Price	Part
SC 300-5-HC		195-0151
SC 300-6-HC		195-0152
SC 300-7-HC	94.65	195-0153
SC 300-8-HC		195-0154
SC 300-9-HC		195-0155
SC 300M5-HC		195-0161
SC 300M6-HC		195-0163
SC 300M7-HC	94.65	195-0165
SC 300M8-HC		195-0167
SC 300M9-HC		195-0169

SC 300	Price	Part
SC 300-5-HC-NB		195-0156
SC 300-6-HC-NB		195-0157
SC 300-7-HC-NB	93.45	195-0158
SC 300-8-HC-NB		195-0159
SC 300-9-HC-NB		195-0160
SC 300M5-HC-NB		195-0162
SC 300M6-HC-NB		195-0164
SC 300M7-HC-NB	93.45	195-0166
SC 300M8-HC-NB		195-0168
SC 300M9-HC-NB		195-0170

SC 75	Price	Part
SC 75M5-HC		202-0010
SC 75M6-HC	77.85	202-0011
SC 75M7-HC		202-0012

SC 190	Price	Part
SC 190-5-HC		194-0137
SC 190-6-HC	86.65	194-0138
SC 190-7-HC		194-0139
SC 190ME5-HC		194-0140
SC 190ME6-HC	86.65	194-0141
SC 190ME7-HC		194-0142
SC 190M5-HC		194-0143
SC 190M6-HC	86.65	194-0144
SC 190M7-HC		194-0145

SC 650	Price	Part
SC 650-5-HC		196-0152
SC 650-6-HC		196-0153
SC 650-7-HC	113.95	196-0154
SC 650-8-HC		196-0155
SC 650-9-HC		196-0156
SC 650M5-HC		196-0157
SC 650M6-HC		196-0158
SC 650M7-HC	113.95	196-0159
SC 650M8-HC		196-0160
SC 650M9-HC		196-0161

SC 650	Price	Part
SC 650-5-HC-NB		196-0162
SC 650-6-HC-NB		196-0163
SC 650-7-HC-NB	112.65	196-0164
SC 650-8-HC-NB		196-0165
SC 650-9-HC-NB		196-0166
SC 650M5-HC-NB		196-0167
SC 650M6-HC-NB		196-0168
SC 650M7-HC-NB	112.65	196-0169
SC 650M8-HC-NB		196-0170
SC 650M9-HC-NB		196-0171

All models include one lock nut.

SC Series Accessories

Accessory	Price	Standard Part	Metric Part
Locknut			
SC 25M	1.09	N/A	250-0315
SC 75M	1.09	N/A	250-0317
SC 190	1.63	250-0231	250-0233
SC 300	1.74	250-0399	250-0207
SC 650, 925	2.06	250-0400	250-0040
	Price		Price
SC 650 (5 to 9)	2.39	0801-041	2.06 250-0040
Mounting Block			
SC 25M	13.97	N/A	250-0307
SC 75M	13.97	N/A	250-0309
SC 190	16.75	250-0318	250-0352
SC 300	17.52	250-0401	250-0353
SC 650, 925	18.29	250-0402	250-0044
Stop Collar			
SC 75M	5.39	N/A	250-0409
SC 190	6.11	250-0271	250-0272
SC 300	6.98	250-0403	250-0410
SC 650, 925	11.51	250-0275	250-0276
StopLight™ Mounting Block			
SC 190	19.26	250-0377	250-0378
SC 300	21.17	250-0379	250-0380
SC 650, 925	24.18	250-0381	250-0382
StopLight™ Proximity Switch (All SC Series)			
NPN Style	65.07	250-3NPN	250-3NPN
PNP Style	65.07	250-3PNP	250-3PNP
Side Load Adapter			
SC 190M-880	37.40	N/A	250-0080
SC 300M-880	46.02	N/A	250-0081
SC 650M-880	50.50	N/A	250-0082
-BP Steel Button/Urethane Cap Assembly*			
SC 190	15.66	250-0096	250-0096
SC 190M (5, 6, 7)	15.66	250-0095	250-0095
SC 300	19.38	250-0098	250-0098
SC 650, 925	21.77	250-0100	250-0100

*If ordering installed at factory, see page 3 for price adder.

FA Series and Accessories

Models	Lock Nut		Mounting Options			
	Price	Part	Price	Part	Price	Part
FA 1215B-1	54.81	260-0001	1.74	250-0207	N/A	
FA 1215B-2		260-0002			N/A	
FA 1212C-1C	16.86	271-0001	1.09	250-0317	N/A	
FA 1212C-2C		271-0002			N/A	
FA 1010D-2	37.45	262-0002	N/A	N/A	Model	Bracket
FA 1010D-3		262-0003			OP1012A	4.14 262-0005
FA 1010D-4		262-0004			OP1012B	4.36 262-0006
FA 1010K1-B	56.99	263-0002	1.09	250-0317	Mounting Block	
FA 1010K2-B		263-0004			13.97	250-0309
FA 1008P-1	41.10	265-0001	1.09	250-0315	13.97	250-0307
FA 1008P1-B		265-0005				
FA 1008P2-B		265-0006				
FA 1008V-B	75.89	269-0002	N/A	N/A	N/A	N/A
FA 1008VD-B		269-0004				
FA 1005PM1-B	40.06	267-0003	1.09	250-0315	13.97	250-0307
FA 1005PM2-B		267-0004				

All models include one lock nut and a button.

All models include one lock nut.

MA Series 30 - 900 and Accessories

MA 30	Price	Part
MA 30M	43.56	128-0001
MA 30M-NB	42.96	128-0004
MA 30M-BP	53.00	129-9002

MA 35	Price	Part
MA 35	44.65	123-0001
MA 35M		123-0002
MA 35-NB	43.78	123-0006
MA 35M-NB		123-0007
MA 35M-880	43.78	123-9004
MA 35-BP	54.10	123-9010
MA 35M-BP		123-9011

MA 50	Price	Part
MA 50M	48.30	181-0001
MA 50M-B	50.40	181-0002
MA 50M-BP	59.67	181-0003

MA 150	Price	Part
MA 150	45.59	124-0301
MA 150M		124-0302
MA 150ME	47.11	124-0303
MA 150-B	48.20	124-0311
MA 150M-B		124-0310
MA 150-BP	55.84	124-9301
MA 150M-BP		124-9302
MA 150ME-B	48.20	124-9305
MA 150ME-BP	57.38	124-9303
MA 150-BS	50.71	124-0313
MA 150M-BS		124-0312

MA 225	Price	Part
MA 225	50.95	171-0001
MA 225M		171-0002
MA 225-NB	49.35	171-0006
MA 225M-NB		171-0007
MA 225-880	49.35	171-9007
MA 225M-880		171-9008
MA 225-BP	61.25	171-9056
MA 225M-BP		171-9057

MA 600	Price	Part
MA 600	80.91	126-0001
MA 600M		126-0002
MA 600-NB	78.62	126-0006
MA 600M-NB		126-0007
MA 600-880	78.62	126-9011
MA 600M-880		126-9012
MA 600ML	84.90	126-0011
MA 600ML-NB	82.65	126-0014
MA 600ML-880	78.62	126-9063
MA 600-BP	91.23	126-9059
MA 600M-BP		126-9060

MA 900	Price	Part
MA 900	109.68	127-0001
MA 900M		127-0002
MA 900-NB	107.34	127-0007
MA 900M-NB		127-0006
MA 900-880	107.34	127-9006
MA 900M-880		127-9002
MA 900-BP	120.00	127-9021

3/8 x 1	Price	Part
AS 3/8 x 1	73.76	125-0201
AS 3/8 x 1-D	78.22	125-0203

Accessories	Price	Std. Part	Metric Part	Metric-ME/ML
Lock Nut				
MA 30	1.09	N/A	250-0482	N/A N/A
MA 35	1.09	250-0405	250-0317	N/A N/A
MA 50M	1.09	N/A	250-0315	N/A N/A
MA 150	1.63	250-0231	250-0233	N/A N/A
MA 150ME	N/A	N/A	NA	2.06 250-0232
MA 225	1.74	250-0399	250-0207	N/A N/A
MA 600, MA 900	2.06	250-0400	250-0040	N/A N/A
MA 600ML	N/A	N/A	N/A	2.50 250-0239
AS 3/8 x 1	2.06	250-0400	N/A	N/A N/A

Mounting Block					
MA 50M	13.97	N/A	250-0307		
MA 150	16.75	250-0318	250-0352	N/A	N/A
MA 225	17.52	250-0401	250-0353		
MA 600, MA900	18.29	250-0402	250-0044		

Stop Collar					
MA 50M	5.39	N/A	250-0408	N/A	N/A
MA 150	6.11	250-0271	250-0272	N/A	N/A
MA 150ME	N/A	N/A	N/A	5.89	250-0261
MA 225	6.98	250-0403	250-0410	N/A	N/A
MA 600, MA 900	11.51	250-0275	250-0276	N/A	N/A
MA 600ML	N/A	N/A	N/A	11.51	250-0263

Nylon Button					
MA 150	2.61	250-0753	250-0753	N/A	N/A
MA 150ME	N/A	N/A	N/A	2.61	250-0253

Poly Pad					
AS 3/8 x 1	8.03	250-0767		N/A	N/A

StopLight™ Assembly					
MA 150-NPN	76.54	250-0386	250-0388		N/A
MA 150-PNP		250-0387	250-0389		

StopLight™ Proximity Switch Assembly					
MA 150, 225, 600 & 900	65.07	250-3NPN	250-3NPN		N/A
		250-3PNP	250-3PNP		

StopLight™ Mounting Block Assembly					
MA 150	19.26	250-0377	250-0378		
MA 225	21.17	250-0379	250-0380		N/A
MA 600, MA 900	24.18	250-0381	250-0382		

Steel Button Assembly					
MA 150	5.12	250-0111	250-0111		N/A

Side Load Adapters					
MA 150M	44.92	N/A	250-0558		
MA 225M-880	46.02		250-0081		N/A
MA 600M-880*	50.50		250-0082		

Steel Button/Urethane Cap Assembly**					
MA 35	14.89	250-0094			
MA 50	16.80	250-0131			
MA 225	19.38	250-0098	N/A		N/A
MA 600 & 900	21.77	250-0100			

*The -880 = No button, standard rod

Button Assembly			
Model	Price	Part	
MA 225/MA 225M	5.61	10719-000	
MA 600/MA 600M	8.12	10721-000	
MA 900/MA 900M	8.12	10721-000	

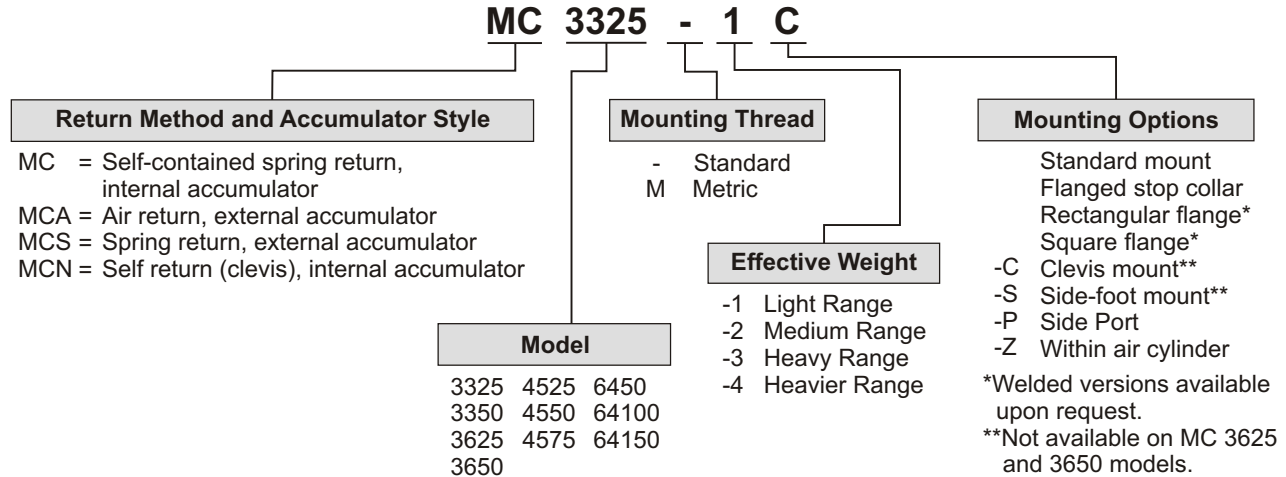
The button assembly is an integral part of the shock absorber and is considered a replacement part and not an accessory. It is not combinable with accessories for discounts.

Steel Button/Urethane Cap Assembly Adder**

Model	Price
MA 35, 50	9.43
MA 225	10.25
MA 600, 900	10.31

**If ordering installed at factory, use -BP (Ex: MA 35-BP) If ordering separately, see accessory chart.

MC Series Ordering Information



Models 33 and 36

Mounting Style						
Model	Primary No Suffix		Side (Foot) Add Suffix: "S"		Clevis Add Suffix: "C"	
	Price	Part	Price	Part	Price	Part
MC 3325-1		216-0001		216-0113		216-0161
MC 3325-2		216-0002		216-0114		216-0162
MC 3325-3		216-0003		216-0115		216-0163
MC 3325-4		216-0004		216-0116		216-0164
MC 3325M1	106.40	216-0009	143.20	216-0121	153.63	216-0169
MC 3325M2		216-0010		216-0122		216-0170
MC 3325M3		216-0011		216-0123		216-0171
MC 3325M4		216-0012		216-0124		216-0172
MC 3350-1		216-0005		216-0117		216-0165
MC 3350-2		216-0006		216-0118		216-0166
MC 3350-3		216-0007		216-0119		216-0167
MC 3350-4		216-0008		216-0120		216-0168
MC 3350M1	114.49	216-0013	151.34	216-0125	161.66	216-0173
MC 3350M2		216-0014		216-0126		216-0174
MC 3350M3		216-0015		216-0127		216-0175
MC 3350M4		216-0016		216-0128		216-0176
MCA3325-1		216-0017		216-0129		
MCA3325-2		216-0018		216-0130		
MCA3325-3		216-0019		216-0131		
MCA3325-4		216-0020		216-0132		
MCA3325M1	103.19	216-0025	140.04	216-0137	N/A	N/A
MCA3325M2		216-0026		216-0138		
MCA3325M3		216-0027		216-0139		
MCA3325M4		216-0028		216-0140		
MCA3350-1		216-0021		216-0133		
MCA3350-2		216-0022		216-0134		
MCA3350-3		216-0023		216-0135		
MCA3350-4		216-0024		216-0136		
MCA3350M1	111.38	216-0029	148.17	216-0141	N/A	N/A
MCA3350M2		216-0030		216-0142		
MCA3350M3		216-0031		216-0143		
MCA3350M4		216-0032		216-0144		

Models MC 33 and 36

Model	Mounting Style					
	Primary No Suffix		Side (Foot) Add Suffix: "S"		Clevis Add Suffix: "C"	
	Price	Part	Price	Part	Price	Part
MCS3325-1		216-0049		216-0145		
MCS3325-2		216-0050		216-0146		
MCS3325-3		216-0051		216-0147		
MCS3325-4	106.40	216-0052	143.20	216-0148	N/A	N/A
MCS3325M1		216-0057		216-0153		
MCS3325M2		216-0058		216-0154		
MCS3325M3		216-0059		216-0155		
MCS3325M4		216-0060		216-0156		
MCS3350-1		216-0053		216-0149		
MCS3350-2		216-0054		216-0150		
MCS3350-3		216-0055		216-0151		
MCS3350-4	114.49	216-0056	151.34	216-0152	N/A	N/A
MCS3350M1		216-0061		216-0157		
MCS3350M2		216-0062		216-0158		
MCS3350M3		216-0063		216-0159		
MCS3350M4		216-0064		216-0160		
MCN3325-1						216-0033
MCN3325-2						216-0034
MCN3325-3						216-0035
MCN3325-4	N/A	N/A	N/A	N/A	151.62	216-0036
MCN3325M1						216-0041
MCN3325M2						216-0042
MCN3325M3						216-0043
MCN3325M4						216-0044
MCN3350-1						216-0037
MCN3350-2						216-0038
MCN3350-3						216-0039
MCN3350-4	N/A	N/A	N/A	N/A	160.13	216-0040
MCN3350M1						216-0045
MCN3350M2						216-0046
MCN3350M3						216-0047
MCN3350M4						216-0048
MC 3625-1		219-0001				
MC 3625-2		219-0002				
MC 3625-3		219-0003				
MC 3625-4	114.11	219-0004	N/A	N/A	N/A	N/A
MC 3625M1		219-0009				
MC 3625M2		219-0010				
MC 3625M3		219-0011				
MC 3625M4		219-0012				
MC 3650-1		219-0005				
MC 3650-2		219-0006				
MC 3650-3		219-0007				
MC 3650-4	125.24	219-0008	N/A	N/A	N/A	N/A
MC 3650M1		219-0013				
MC 3650M2		219-0014				
MC 3650M3		219-0015				
MC 3650M4		219-0016				
MCA3625-1		219-0017				
MCA3625-2		219-0018				
MCA3625-3		219-0019				
MCA3625-4	110.89	219-0020	N/A	N/A	N/A	N/A
MCA3625M1		219-0025				
MCA3625M2		219-0026				
MCA3625M3		219-0027				
MCA3625M4		219-0028				



Models MC 33 and 36

Mounting Style						
Model	Primary No Suffix		Side (Foot) Add Suffix: "S"		Clevis Add Suffix: "C"	
	Price	Part	Price	Part	Price	Part
MCA3650-1	122.18	219-0021	N/A	N/A	N/A	N/A
MCA3650-2		219-0022				
MCA3650-3		219-0023				
MCA3650-4		219-0024				
MCA3650M1		219-0029				
MCA3650M2		219-0030				
MCA3650M3		219-0031				
MCA3650M4		219-0032				
MCS3625-1	114.11	219-0033	N/A	N/A	N/A	N/A
MCS3625-2		219-0034				
MCS3625-3		219-0035				
MCS3625-4		219-0036				
MCS3625M1		219-0041				
MCS3625M2		219-0042				
MCS3625M3		219-0043				
MCS3625M4		219-0044				
MCS3650-1	125.24	219-0037	N/A	N/A	N/A	N/A
MCS3650-2		219-0038				
MCS3650-3		219-0039				
MCS3650-4		219-0040				
MCS3650M1		219-0045				
MCS3650M2		219-0046				
MCS3650M3		219-0047				
MCS3650M4		219-0048				

Model MC 45

Mounting Style						
Model	Primary No Suffix		Side (Foot) Add Suffix: "S"		Clevis Add Suffix: "C"	
	Price	Part	Price	Part	Price	Part
MC 4525-1	148.29	217-0001	188.25	217-0241	189.89	217-0313
MC 4525-2		217-0002		217-0242		217-0314
MC 4525-3		217-0003		217-0243		217-0315
MC 4525-4		217-0004		217-0244		217-0316
MC 4525M1		217-0013		217-0253		217-0325
MC 4525M2		217-0014		217-0254		217-0326
MC 4525M3		217-0015		217-0255		217-0327
MC 4525M4		217-0016		217-0256		217-0328
MC 4550-1	156.09	217-0005	196.06	217-0245	197.58	217-0317
MC 4550-2		217-0006		217-0246		217-0318
MC 4550-3		217-0007		217-0247		217-0319
MC 4550-4		217-0008		217-0248		217-0320
MC 4550M1		217-0017		217-0257		217-0329
MC 4550M2		217-0018		217-0258		217-0330
MC 4550M3		217-0019		217-0259		217-0331
MC 4550M4		217-0020		217-0260		217-0332
MC 4575-1	163.68	217-0009	203.65	217-0249	205.23	217-0321
MC 4575-2		217-0010		217-0250		217-0322
MC 4575-3		217-0011		217-0251		217-0323
MC 4575-4		217-0012		217-0252		217-0324
MC 4575M1		217-0021		217-0261		217-0333
MC 4575M2		217-0022		217-0262		217-0334
MC 4575M3		217-0023		217-0263		217-0335
MC 4575M4		217-0024		217-0264		217-0336

Model MC 45

Mounting Style						
Model	Primary No Suffix		Side (Foot) Add Suffix: "S"		Clevis Add Suffix: "C"	
	Price	Part	Price	Part	Price	Part
MCA4525-1	144.08	217-0025	183.93	217-0265	N/A	N/A
MCA4525-2		217-0026		217-0266		
MCA4525-3		217-0027		217-0267		
MCA4525-4		217-0028		217-0268		
MCA4525M1		217-0037		217-0277		
MCA4525M2		217-0038		217-0278		
MCA4525M3		217-0039		217-0279		
MCA4525M4		217-0040		217-0280		
MCA4550-1	151.62	217-0029	191.58	217-0269	N/A	N/A
MCA4550-2		217-0030		217-0270		
MCA4550-3		217-0031		217-0271		
MCA4550-4		217-0032		217-0272		
MCA4550M1		217-0041		217-0281		
MCA4550M2		217-0042		217-0282		
MCA4550M3		217-0043		217-0283		
MCA4550M4		217-0044		217-0284		
MCA4575-1	159.43	217-0033	199.39	217-0273	N/A	N/A
MCA4575-2		217-0034		217-0274		
MCA4575-3		217-0035		217-0275		
MCA4575-4		217-0036		217-0276		
MCA4575M1		217-0045		217-0285		
MCA4575M2		217-0046		217-0286		
MCA4575M3		217-0047		217-0287		
MCA4575M4		217-0048		217-0288		
MCS4525-1	148.29	217-0073	188.25	217-0289	N/A	N/A
MCS4525-2		217-0074		217-0290		
MCS4525-3		217-0075		217-0291		
MCS4525-4		217-0076		217-0292		
MCS4525M1		217-0085		217-0301		
MCS4525M2		217-0086		217-0302		
MCS4525M3		217-0087		217-0303		
MCS4525M4		217-0088		217-0304		
MCS4550-1	156.09	217-0077	196.06	217-0293	N/A	N/A
MCS4550-2		217-0078		217-0294		
MCS4550-3		217-0079		217-0295		
MCS4550-4		217-0080		217-0296		
MCS4550M1		217-0089		217-0305		
MCS4550M2		217-0090		217-0306		
MCS4550M3		217-0091		217-0307		
MCS4550M4		217-0092		217-0308		
MCS4575-1	163.68	217-0081	203.65	217-0297	N/A	N/A
MCS4575-2		217-0082		217-0298		
MCS4575-3		217-0083		217-0299		
MCS4575-4		217-0084		217-0300		
MCS4575M1		217-0093		217-0309		
MCS4575M2		217-0094		217-0310		
MCS4575M3		217-0095		217-0311		
MCS4575M4		217-0096		217-0312		
MCN4525-1	N/A	N/A	N/A	N/A	213.64	217-0049
MCN4525-2						217-0050
MCN4525-3						217-0051
MCN4525-4						217-0052
MCN4525M1						217-0061
MCN4525M2						217-0062
MCN4525M3						217-0063
MCN4525M4						217-0064



Model MC 45

Model	Mounting Style					
	Primary No Suffix		Side (Foot) Add Suffix: "S"		Clevis Add Suffix: "C"	
	Price	Part	Price	Part	Price	Part
MCN4550-1						217-0053
MCN4550-2						217-0054
MCN4550-3						217-0055
MCN4550-4	N/A	N/A	N/A	N/A	220.74	217-0056
MCN4550M1						217-0065
MCN4550M2						217-0066
MCN4550M3						217-0067
MCN4550M4						217-0068
MCN4575-1						217-0057
MCN4575-2						217-0058
MCN4575-3						217-0059
MCN4575-4	N/A	N/A	N/A	N/A	227.95	217-0060
MCN4575M1						217-0069
MCN4575M2						217-0070
MCN4575M3						217-0071
MCN4575M4						217-0072

Model MC 64

Model	Mounting Style					
	Primary No Suffix		Side (Foot) Add Suffix: "S"		Clevis Add Suffix: "C"	
	Price	Part	Price	Part	Price	Part
MC 6450-1		218-0001		218-0169		218-0241
MC 6450-2		218-0002		218-0170		218-0242
MC 6450-3		218-0003		218-0171		218-0243
MC 6450-4		218-0004		218-0172		218-0244
MC 6450M1	315.19	218-0013	376.62	218-0181	393.87	218-0253
MC 6450M2		218-0014		218-0182		218-0254
MC 6450M3		218-0015		218-0183		218-0255
MC 6450M4		218-0016		218-0184		218-0256
MC 64100-1		218-0005		218-0173		218-0245
MC 64100-2		218-0006		218-0174		218-0246
MC 64100-3		218-0007		218-0175		218-0247
MC 64100-4		218-0008		218-0176		218-0248
MC 64100M1	345.89	218-0017	407.25	218-0185	400.05	218-0257
MC 64100M2		218-0018		218-0186		218-0258
MC 64100M3		218-0019		218-0187		218-0259
MC 64100M4		218-0020		218-0188		218-0260
MC 64150-1		218-0009		218-0177		218-0249
MC 64150-2		218-0010		218-0178		218-0250
MC 64150-3		218-0011		218-0179		218-0251
MC 64150-4		218-0012		218-0180		218-0252
MC 64150M1	398.08	218-0021	459.51	218-0189	493.03	218-0261
MC 64150M2		218-0022		218-0190		218-0262
MC 64150M3		218-0023		218-0191		218-0263
MC 64150M4		218-0024		218-0192		218-0264
MCA6450-1		218-0025		218-0193		
MCA6450-2		218-0026		218-0194		
MCA6450-3		218-0027		218-0195		
MCA6450-4		218-0028		218-0196		
MCA6450M1	304.22	218-0037	365.70	218-0205	N/A	N/A
MCA6450M2		218-0038		218-0206		
MCA6450M3		218-0039		218-0207		
MCA6450M4		218-0040		218-0208		

Model MC 64

Model	Mounting Style					
	Primary No Suffix		Side (Foot) Add Suffix: "S"		Clevis Add Suffix: "C"	
	Price	Part	Price	Part	Price	Part
MCA64100-1		218-0029		218-0197		
MCA64100-2		218-0030		218-0198		
MCA64100-3		218-0031		218-0199		
MCA64100-4	334.90	218-0032	396.39	218-0200	N/A	N/A
MCA64100M1		218-0041		218-0209		
MCA64100M2		218-0042		218-0210		
MCA64100M3		218-0043		218-0211		
MCA64100M4		218-0044		218-0212		
MCA64150-1		218-0033		218-0201		
MCA64150-2		218-0034		218-0202		
MCA64150-3		218-0035		218-0203		
MCA64150-4	398.08	218-0036	459.51	218-0204	N/A	N/A
MCA64150M1		218-0045		218-0213		
MCA64150M2		218-0046		218-0214		
MCA64150M3		218-0047		218-0215		
MCA64150M4		218-0048		218-0216		
MCS6450-1		218-0073		218-0217		
MCS6450-2		218-0074		218-0218		
MCS6450-3		218-0075		218-0219		
MCS6450-4	315.19	218-0076	376.62	218-0220	N/A	N/A
MCS6450M1		218-0085		218-0229		
MCS6450M2		218-0086		218-0230		
MCS6450M3		218-0087		218-0231		
MCS6450M4		218-0088		218-0232		
MCS64100-1		218-0077		218-0221		
MCS64100-2		218-0078		218-0222		
MCS64100-3		218-0079		218-0223		
MCS64100-4	345.89	218-0080	407.25	218-0224	N/A	N/A
MCS64100M1		218-0089		218-0233		
MCS64100M2		218-0090		218-0234		
MCS64100M3		218-0091		218-0235		
MCS64100M4		218-0092		218-0236		
MCS64150-1		218-0081		218-0225		
MCS64150-2		218-0082		218-0226		
MCS64150-3		218-0083		218-0227		
MCS64150-4	398.08	218-0084	459.51	218-0228	N/A	N/A
MCS64150M1		218-0093		218-0237		
MCS64150M2		218-0094		218-0238		
MCS64150M3		218-0095		218-0239		
MCS64150M4		218-0096		218-0240		
MCN6450-1						218-0049
MCN6450-2						218-0050
MCN6450-3						218-0051
MCN6450-4	N/A	N/A	N/A	N/A	387.38	218-0052
MCN6450M1						218-0061
MCN6450M2						218-0062
MCN6450M3						218-0063
MCN6450M4						218-0064
MCN64100-1						218-0053
MCN64100-2						218-0054
MCN64100-3						218-0055
MCN64100-4	N/A	N/A	N/A	N/A	418.12	218-0056
MCN64100M1						218-0065
MCN64100M2						218-0066
MCN64100M3						218-0067
MCN64100M4						218-0068
MCN64150-1						218-0057
MCN64150-2						218-0058
MCN64150-3						218-0059
MCN64150-4	N/A	N/A	N/A	N/A	486.26	218-0060
MCN64150M1						218-0069
MCN64150M2						218-0070
MCN64150M3						218-0071
MCN64150M4						218-0072

Ordering Information Models MA/ML

MA Series, Adjustable

MA 3325 - C

Return Method and Accumulator Style

MA = Self-contained spring return, internal accumulator
 MAA = Air return, external accumulator
 MAS = Spring return, external accumulator
 MAN = Self return (clevis), internal accumulator

Mounting Thread

- Standard
 M Metric

Mounting Options

Standard mount
 Flanged stop collar
 Rectangular flange*
 Square flange*
 -C Clevis mount**
 -S Side-foot mount**
 -P Side port
 -Z Within air cylinder

Model

3325 4525 6450
 3350 4550 64100
 3625 4575 64150
 3650

*Welded versions available upon request.
 **Not available on MA 3625 and 3650 models.

ML Series, Low Velocity Adjustable

ML 3325 - C

Return Method and Accumulator Style

ML = Self-contained spring return, internal accumulator
 MLA = Air return, external accumulator
 MLS = Spring return, external accumulator
 MLN = Self return (clevis), internal accumulator

Mounting Thread

- Standard
 M Metric

Mounting Options

Standard mount
 Flanged stop collar
 Rectangular flange*
 Square flange*
 -C Clevis mount**
 -S Side-foot mount**
 -Z Within air cylinder

Model

3325 4525 6425
 3350 4550 6450
 3625
 3650

*Welded versions available upon request.
 **Not available on ML 3625 and 3650 models.

Note: flanges and flanged stop collars are packaged separately from shock absorbers.

Models MA, ML 33 and 36

Model	Mounting Style					
	Primary No Suffix		Side (Foot) Add Suffix: "S"		Clevis Add Suffix: "C"	
	Price	Part	Price	Part	Price	Part
MA 3325	116.29	206-0001	153.09	206-0029	163.57	206-0041
MA 3325M		206-0003		206-0031		206-0043
MA 3350	124.15	206-0002	161.07	206-0030	171.44	206-0042
MA 3350M		206-0004		206-0032		206-0044
MAA3325	113.02	206-0005	149.81	206-0033	N/A	N/A
MAA3325M		206-0007		206-0035		
MAA3350	120.71	206-0006	157.57	206-0034	N/A	N/A
MAA3350M		206-0008		206-0036		
MAS3325	116.29	206-0013	153.09	206-0037	N/A	N/A
MAS3325M		206-0015		206-0039		
MAS3350	124.15	206-0014	161.07	206-0038	N/A	N/A
MAS3350M		206-0016		206-0040		
MAN3325	N/A	N/A	N/A	N/A	201.57	206-0009
MAN3325M						206-0011
MAN3350	N/A	N/A	N/A	N/A	210.64	206-0010
MAN3350M						206-0012
ML 3325	155.93	206-0101	192.79	206-0129	203.21	206-0141
ML 3325M		206-0103		206-0131		206-0143
ML 3350	163.68	206-0102	197.10	206-0130	210.96	206-0142
ML 3350M		206-0104		206-0132		206-0144
MLA3325	152.43	206-0105	193.66	206-0133	N/A	N/A
MLA3325M		206-0107		206-0135		
MLA3350	160.25	206-0106	192.07	206-0134	N/A	N/A
MLA3350M		206-0108		206-0136		

Models MA, ML 33 and 36

Model	Mounting Style					
	Primary No Suffix		Side (Foot) Add Suffix: "S"		Clevis Add Suffix: "C"	
	Price	Part	Price	Part	Price	Part
MLS3325 MLS3325M	155.93	206-0113 206-0115	192.79	206-0137 206-0139	N/A	N/A
MLS3350 MLS3350M	163.68	206-0114 206-0116	200.53	206-0138 206-0140	N/A	N/A
MLN3325 MLN3325M	N/A	N/A	N/A	N/A	198.95	206-0109 206-0111
MLN3350 MLN3350M	N/A	N/A	N/A	N/A	199.94	206-0110 206-0112
MA 3625 MA 3625M	122.68	209-0001 209-0003	N/A	N/A	N/A	N/A
MA 3650 MA 3650M	131.41	209-0002 209-0004	N/A	N/A	N/A	N/A
MAA3625 MAA3625M	119.35	209-0005 209-0007	N/A	N/A	N/A	N/A
MAA3650 MAA3650M	127.97	209-0006 209-0008	N/A	N/A	N/A	N/A
MAS3625 MAS3625M	119.35	209-0009 209-0011	N/A	N/A	N/A	N/A
MAS3650 MAS3650M	127.97	209-0010 209-0012	N/A	N/A	N/A	N/A
ML 3625 ML 3625M	162.26	209-0101 209-0103	N/A	N/A	N/A	N/A
ML 3650 ML 3650M	170.95	209-0102 209-0104	N/A	N/A	N/A	N/A
MLA3625 MLA3625M	162.21	209-0105 209-0107	N/A	N/A	N/A	N/A
MLA3650 MLA3650M	203.32	209-0106 209-0108	N/A	N/A	N/A	N/A
MLS3625 MLS3625M	162.26	209-0109 209-0111	N/A	N/A	N/A	N/A
MLS3650 MLS3650M	203.32	209-0110 209-0112	N/A	N/A	N/A	N/A

Models MA, ML 45 and 64

Model	Mounting Style					
	Primary No Suffix		Side (Foot) Add Suffix: "S"		Clevis Add Suffix: "C"	
	Price	Part	Price	Part	Price	Part
MA 4525 MA 4525M	162.26	207-0001 207-0004	202.17	207-0061 207-0064	203.76	207-0079 207-0082
MA 4550 MA 4550M	170.01	207-0002 207-0005	209.98	207-0062 207-0065	211.51	207-0080 207-0083
MA 4575 MA 4575M	177.82	207-0003 207-0006	217.73	207-0063 207-0066	219.32	207-0081 207-0084
MAA4525 MAA4525M	157.24	207-0007 207-0010	197.15	207-0067 207-0070	N/A	N/A
MAA4550 MAA4550M	164.82	207-0008 207-0011	204.80	207-0068 207-0071	N/A	N/A
MAA4575 MAA4575M	172.74	207-0009 207-0012	212.66	207-0069 207-0072	N/A	N/A
MAS4525 MAS4525M	162.26	207-0019 207-0022	202.17	207-0073 207-0076	N/A	N/A
MAS4550 MAS4550M	183.18	207-0020 207-0023	223.14	207-0074 207-0077	N/A	N/A
MAS4575 MAS4575M	177.82	207-0021 207-0024	217.73	207-0075 207-0078	N/A	N/A
MAN4525 MAN4525M	N/A	N/A	N/A	N/A	202.61	207-0013 207-0016



Models MA/ML 45 and 64

Model	Mounting Style					
	Primary No Suffix		Side (Foot) Add Suffix: "S"		Clevis Add Suffix: "C"	
	Price	Part	Price	Part	Price	Part
MAN4550 MAN4550M	N/A	N/A	N/A	N/A	210.64	207-0014 207-0017
MAN4575 MAN4575M	N/A	N/A	N/A	N/A	218.83	207-0015 207-0018
ML 4525 ML 4525M	176.63	207-0101 207-0103	216.59	207-0141 207-0143	218.17	207-0153 207-0155
ML 4550 ML 4550M	184.60	207-0102 207-0104	224.51	207-0142 207-0144	226.09	207-0154 207-0156
MLA4525 MLA4525M	171.60	207-0105 207-0107	211.51	207-0145 207-0147	N/A	N/A
MLA4550 MLA4550M	179.29	207-0106 207-0108	219.21	207-0146 207-0148	N/A	N/A
MLS4525 MLS4525M	176.63	207-0113 207-0115	216.59	207-0149 207-0151	N/A	N/A
MLS4550 MLS4550M	184.60	207-0114 207-0116	224.51	207-0150 207-0152	N/A	N/A
MLN4525 MLN4525M	N/A	N/A	N/A	N/A	217.51	207-0109 207-0111
MLN4550 MLN4550M	N/A	N/A	N/A	N/A	225.65	207-0110 207-0112
MA 6450 MA 6450M	347.46	208-0001 208-0004	408.89	208-0043 208-0046	438.86	208-0061 208-0064
MA 64100 MA 64100M	377.39	208-0002 208-0005	438.81	208-0044 208-0047	468.74	208-0062 208-0065
MA 64150 MA 64150M	429.63	208-0003 208-0006	491.06	208-0045 208-0048	520.98	208-0063 208-0066
MAA6450 MAA6450M	347.46	208-0007 208-0010	408.89	208-0049 208-0052	N/A	N/A
MAA64100 MAA64100M	377.39	208-0008 208-0011	438.81	208-0050 208-0053	N/A	N/A
MAA64150 MAA64150M	429.63	208-0009 208-0012	491.06	208-0051 208-0054	N/A	N/A
MAS6450 MAS6450M	347.46	208-0019 208-0022	408.89	208-0055 208-0058	N/A	N/A
MAS64100 MAS64100M	377.39	208-0020 208-0023	438.81	208-0056 208-0059	N/A	N/A
MAS64150 MAS64150M	429.63	208-0021 208-0024	491.06	208-0057 208-0060	N/A	N/A
MAN6450 MAN6450M	N/A	N/A	N/A	N/A	418.99	208-0013 208-0016
MAN64100 MAN64100M	N/A	N/A	N/A	N/A	449.51	208-0014 208-0017
MAN64150 MAN64150M	N/A	N/A	N/A	N/A	517.81	208-0015 208-0018
ML 6425 ML 6425M	347.46	208-0101 208-0103	408.89	208-0129 208-0131	438.86	208-0141 208-0143
ML 6450 ML 6450M	378.04	208-0102 208-0104	439.41	208-0130 208-0132	469.44	208-0142 208-0144
MLA6425 MLA6425M	334.69	208-0105 208-0107	396.17	208-0133 208-0135	N/A	N/A
MLA6450 MLA6450M	365.37	208-0106 208-0108	426.80	208-0134 208-0136	N/A	N/A
MLS6425 MLS6425M	347.41	208-0113 208-0115	408.89	208-0137 208-0139	N/A	N/A
MLS6450 MLS6450M	378.04	208-0114 208-0116	439.41	208-0138 208-0140	N/A	N/A
MLN6425 MLN6425M	N/A	N/A	N/A	N/A	419.60	208-0109 208-0111
MLN6450 MLN6450M	N/A	N/A	N/A	N/A	450.38	208-0110 208-0112

Accessories

Lock Nut			
Model	Price	Standard Part	Metric Part
MA 33 ML 33 MC 33	6.55	250-0038	250-0292
MA 36 ML 36 MC 36	11.67	250-0631	250-0537
MA 45 ML 45 MC 45	9.06	250-0041	250-0297
MA 64 ML 64 MC 64	11.02	250-0042	250-0301

Rectangular Flange*			
Model	Price	Standard Part	Metric Part
MA 33 ML 33 MC 33	10.15	250-0016	250-0293
MA 36 ML 36 MC 36	15.66	250-0633	N/A
MA 45 ML 45 MC 45	15.22	250-0024	250-0299
MA 64 ML 64 MC 64	N/A	N/A	N/A

*Used interchangeably as front or rear flange.

Square Flange*			
Model	Price	Standard Part	Metric Part
MA 33 ML 33 MC 33	N/A	N/A	N/A
MA 36 ML 36 MC 36	N/A	N/A	N/A
MA 45 ML 45 MC 45	10.42	250-0023	250-0298
MA 64 ML 64 MC 64	20.41	250-0028	250-0302

*Used interchangeably as front or rear flange.

Stop Bar Assembly			
Model	Price	Standard Part	Metric Part
MA 33 ML 33 MC 33	55.30	250-0426	250-0427
MA 36 ML 36 MC 36	55.30	250-0426	N/A
MA 45 ML 45 MC 45	55.30	250-0428	250-0639
MA 6450 MA 64100 ML 6425 ML 6450 MC 6450 MC 64100	55.30	250-0430	250-0640
MA 64150 MC 64150	61.36	250-0432	250-0641
MAA 64150 MCA 64150	67.04	250-0435	250-0649

Flanged Stop Collar*			
Model	Price	Standard Part	Metric Part
MA 33 ML 33 MC 33	26.26	250-0070	250-0071
MA 36 ML 36 MC 36	N/A	N/A	N/A
MA 45 ML 45 MC 45	31.00	250-0072	250-0073
MA 6450 MA 64100 ML 6425 ML 6450 MC 6450 MC 64100	52.79	250-0074	250-0075
MA 64150 MC 64150	67.04	250-0076	250-0077

*Provides stop collar and front mount.

Side Load Adapters			
Model	Price	Standard Part	Metric Part
MA 3325M ML 3325M MC 3325M	52.52	NA	250-0736
MA 3350M ML 3350M MC 3350M	79.65	N/A	250-0750
MA 4525M ML 4525M MC 4525M	57.05	N/A	250-0739
MA 4550M ML 4550M MC 4550M	78.89	N/A	250-0761
ML 6425M	Contact Ace for pricing		
MA 6450M ML 6450M MC 6450M	Contact Ace for pricing		

Accessories

Side-Foot Mount Assembly*			
Model	Price	Standard Part	Metric Part
MA 33 ML 33 MC 33	36.85	250-0015	250-0294
MA 36 ML 36 MC 36	N/A	N/A	N/A
MA 45 ML 45 MC 45	39.91	250-0025	250-0300
MA 6450 MA 64100 ML 6425 ML 6450 MC 6450 MC 64100	61.36	250-0030	250-0304
MA 64150 MC 64150	61.36	250-0030	250-0304

Clevis Assembly			
Model	Price	Standard Part	Metric Part
MA, ML, MC 33 MAS, MLS, MCS 33	47.28	250-0225	250-0323
MAN, MLN, MCN 33 MAA, MLA, MCA 33	42.79	250-0018	250-0322
MA, ML, MC 45 (all) ML 6425 (all), MA, ML, MC 6450 (all)	41.49	250-0324	250-0325
MA, MC 64100 (all) MAN, MCN 64150 MAA, MCA 64150	54.15	250-0625	250-0626
MA, MCA 64150 MAS, MCS 64150	54.15	250-0627	250-0628

*Provides stop collar and front mount.

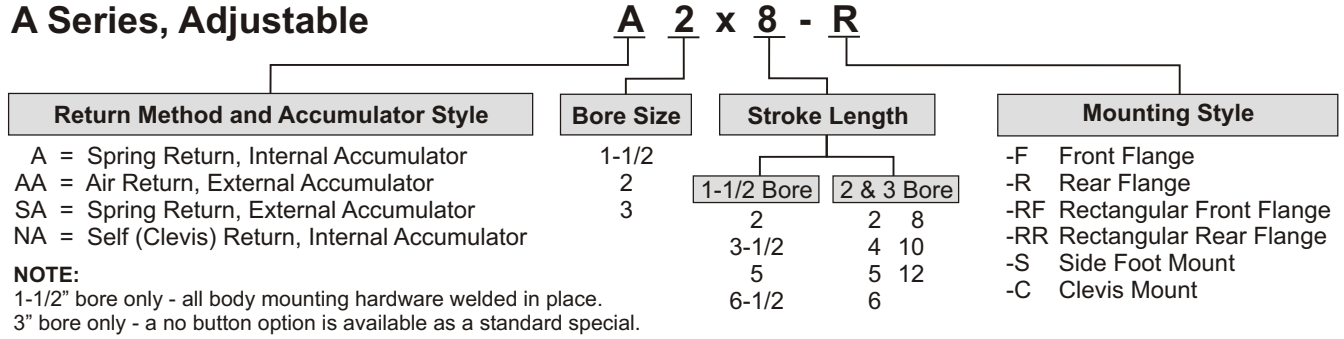
Conversion Flanges - Square						
Model	Price	Standard Part	Metric Part	Price	Standard Part	Metric Part
Square			Rectangular			
MA 33, 36 ML 33, 36 MC 33, 36	25.66	250-0033	250-0295	31.12	250-0034	250-0296
M* 45 mounting holes with M* 33 threads.						
MA 45 ML 45 MC 45	41.00	250-0035	250-0320	N/A	N/A	N/A
M* 64 mounting holes with M*45 threads.						
MA 64 ML 64 MC 64	49.89	250-0036	250-0305	58.03	250-0037	250-0321
1-1/2" mounting holes with M*64 threads.						

MC/MA/ML Options / Price Adders

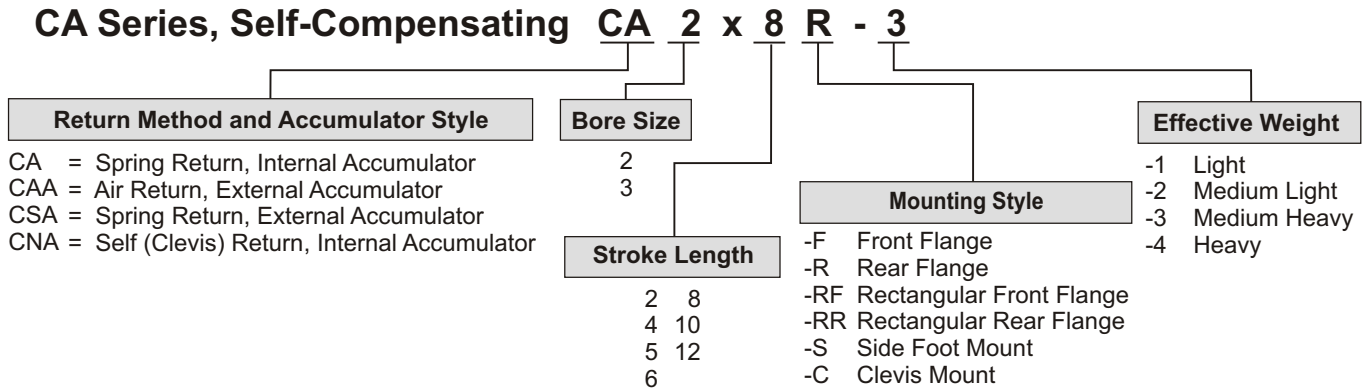
Option	Price	Remark
Z Models		
MA, ML, MC 33 & 36	5.61	Add suffix: "Z" to model designation. Z models are for use in the blind end of air cylinders.
MA, ML, MC 45	5.61	
MA, ML, MC 64	11.13	
Side Port		
MA, ML, MC 33 & 36	26.81	Add suffix: "P" to model designation. For external accumulator models only.
MA, ML, MC 45	30.95	
MA, ML, MC 64	36.30	
Quantity		
1 - 10 11 & Up		
Stop Tubes		
MA, ML, MC 33 & 36	20.80 5.51	Add suffix: "T" and length of stop tube required to model designation.
MA, ML, MC 45	23.40 6.60	
MA, ML, MC 64	66.35 14.95	

Ordering Information

A Series, Adjustable



CA Series, Self-Compensating CA 2 x 8 R - 3



Model A 1-1/2" Bore

Model	Mounting Style									
	Square Flange			Rectangular Flange			Side (Foot)		Clevis	
	F = Front	R = Rear	Price	RF=Front	RR=Rear	Price	Suffix: "S"		Suffix: "C"	
	Part	Part		Part	Part		Part	Price	Part	Price
A 1-1/2 x 2	106-0001	106-0013	568.43	106-0038	106-0042	579.19	N/A	N/A	106-0034	636.24
A 1-1/2 x 3-1/2	106-0002	106-0014	596.23	106-0039	106-0043	605.56	106-0025	648.15	106-0035	662.78
A 1-1/2 x 5	106-0003	106-0015	626.04	106-0040	106-0044	635.48	106-0026	677.91	106-0036	692.60
A 1-1/2 x 6-1/2	106-0004	106-0016	674.74	106-0041	106-0045	684.02	106-0027	726.50	106-0037	726.50
AA 1-1/2 x 2	106-0009	106-0021	491.99	106-0050	106-0054	501.43	106-0075	544.02	106-0066	558.49
AA 1-1/2 x 3-1/2	106-0010	106-0022	518.70	106-0051	106-0055	556.47	106-0028	570.62	106-0067	585.19
AA 1-1/2 x 5	106-0011	106-0023	548.50	106-0052	106-0056	557.89	106-0029	600.37	106-0068	614.90
AA 1-1/2 x 6-1/2	106-0012	106-0024	597.05	106-0053	106-0057	605.94	106-0030	716.67	106-0069	728.30
SA 1-1/2 x 2	106-0017	106-0005	545.83	106-0058	106-0062	555.11	106-0076	597.64	106-0070	612.76
SA 1-1/2 x 3-1/2	106-0018	106-0006	572.36	106-0059	106-0063	581.81	106-0031	627.56	106-0071	638.92
SA 1-1/2 x 5	106-0019	106-0007	602.17	106-0060	106-0064	611.52	106-0032	654.10	106-0072	668.62
SA 1-1/2 x 6-1/2	106-0020	106-0008	650.71	106-0061	106-0065	660.16	106-0033	702.63	106-0074	717.32
NA 1-1/2 x 2									106-0046	623.41
NA 1-1/2 x 3-1/2		N/A	N/A	N/A					106-0047	650.06
NA 1-1/2 x 5									106-0048	679.82
NA 1-1/2 X 6-1/2									106-0049	728.36

A = Self contained: Spring return, internal accumulator
 AA = Air return, external accumulator (Air/oil tank & check valve required)
 SA = Spring return, external accumulator (Air/oil tank & check valve required)
 NA = Self (clevis) return, internal accumulator

Stop Tube price adder:
 1 - 10 26.00
 11 & up 17.90
 'Z' Model price adder 13.86
 Poly Pad 250-000 25.49
 Viton Seal price adder
 AA & SA models 84.18
 A & NA models 92.37



Model A 2" Bore

Model	Mounting Style						
	Square Flange			Side (Foot)		Clevis	
	F = Front	R = Rear	Suffix: "S"		Suffix: "C"		
	Part	Part	Price	Part	Price	Part	Price
A 2 x 2	122-0001	122-0006	804.25	122-0011	902.59	122-0016	1,082.38
A 2 x 4	122-0002	122-0007	842.31	122-0012	940.69	122-0017	1,120.54
A 2 x 6	122-0003	122-0008	879.43	122-0013	977.82	122-0018	1,157.67
A 2 x 8	122-0004	122-0009	1,101.43	122-0014	1,273.20	122-0019	1,379.46
A 2 x 10	122-0005	122-0010	1,241.92	122-0015	1,413.64	122-0020	1,520.22
AA 2 x 2	122-0021	122-0026	685.44	122-0031	786.34	122-0036	888.88
AA 2 x 4	122-0022	122-0027	722.02	122-0032	822.92	122-0037	924.48
AA 2 x 6	122-0023	122-0028	757.84	122-0033	858.52	122-0038	961.23
AA 2 x 8	122-0024	122-0029	817.68	122-0034	918.58	122-0039	1,021.17
AA 2 x 10	122-0025	122-0030	890.46	122-0035	991.36	122-0040	1,093.69
SA 2 x 2	122-0041	122-0046	724.54	122-0051	822.92	122-0056	1,002.66
SA 2 x 4	122-0042	122-0047	760.96	122-0052	859.28	122-0057	1,039.09
SA 2 x 6	122-0043	122-0048	796.66	122-0053	895.05	122-0058	1,074.68
SA 2 x 8	122-0044	122-0049	1,017.84	122-0054	1,189.61	122-0059	1,295.86
SA 2 x 10	122-0045	122-0050	1,158.22	122-0055	1,330.05	122-0060	1,436.57
NA 2 x 2						122-0061	982.35
NA 2 x 4						122-0062	1,008.56
NA 2 x 6		N/A		N/A		122-0063	1,019.81
NA 2 x 8						122-0064	1,147.70
NA 2 x 10						122-0065	1,304.22

A = Self contained; spring return, internal accumulator
 AA = Air return, external accumulator (Air/oil tank & check valve required)
 SA = Spring return, external accumulator (Air/oil tank required)
 NA = Self (clevis) return, internal accumulator

Stop Tube price adder55.08
 'Z' Model price adder36.24
 Viton Seal price adder
 AA & SA models126.82
 A & NA models139.23

Model A 3" Bore

Model	Mounting Style									
	Square Flange			Rectangular Flange			Side (Foot)		Clevis	
	F = Front	R = Rear	RF=Front RR=Rear		Suffix: "S"		Suffix: "C"			
	Part	Part	Price	Part	Part	Price	Part	Price	Price	Part
A 3 x 5	102-0001	102-0004	1,962.80	102-0007	102-0010	2,018.01	102-0013	2,163.68	102-0016	2,203.65
A 3 x 8	102-0002	102-0005	2,161.82	102-0008	102-0011	2,216.91	102-0014	2,362.69	102-0017	2,402.61
A 3 x 12	102-0003	102-0006	2,544.68	102-0009	102-0012	2,600.05	102-0015	2,745.71	102-0018	2,789.52
AA 3 x 5	102-0019	102-0022	1,366.19	102-0025	102-0028	1,421.39	102-0031	1,567.02	102-0034	1,606.93
AA 3 x 8	102-0020	102-0023	1,494.94	102-0026	102-0029	1,550.03	102-0032	1,696.42	102-0035	1,735.56
AA 3 x 12	102-0021	102-0024	1,750.25	102-0027	102-0030	1,804.63	102-0033	1,951.13	102-0036	1,990.87
SA 3 x 5	102-0037	102-0040	1,556.42	102-0043	102-0046	1,611.57	102-0049	1,757.30	102-0052	1,797.04
SA 3 x 8	102-0038	102-0041	1,710.28	102-0044	102-0047	1,765.70	102-0050	1,911.15	102-0053	1,950.96
SA 3 x 12	102-0039	102-0042	2,088.77	102-0045	102-0048	2,143.92	102-0051	2,289.53	102-0054	2,329.56
NA 3 x 5									102-0055	1,909.17
NA 3 x 8		N/A		N/A			N/A		102-0056	2,078.34
NA 3 x 12									102-0057	2,247.44

Viton Seal price adder
 AA & SA models139.55
 A & NA models153.09

Stop Tube price adder61.36
 'Z' model price adder41.60

Models CA 2" and 3" Bore

Model	Mounting Style			
	Front or Rear Flange	Side Mount	Clevis Mount	Rectangular Flange
CA 2 x 2	582.63	668.35	753.31	N/A
CA 2 x 4	613.70	699.53	786.61	N/A
CA 2 x 6	644.16	729.78	817.08	N/A
CA 2 x 8	695.05	780.78	867.97	N/A
CA 2 x 10	756.86	842.63	929.61	N/A
CA 3 x 5	1,668.46	1,869.28	1,909.19	1,723.55
CA 3 x 8	1,837.61	2,038.37	2,078.34	1,892.76
CA 3 x 12	2163.25	2,478.02	2,403.81	2,218.39
CAA 2 x 2	655.79	756.64	859.28	N/A
CAA 2 x 4	692.32	793.17	895.76	N/A
CAA 2 x 6	729.28	828.88	931.58	N/A
CAA 2 x 8	788.03	888.88	991.53	N/A
CAA 2 x 10	860.82	961.66	1,063.76	N/A
CAA 3 x 5	1,336.54	1,537.36	1,577.27	1,391.75
CAA 3 x 8	1,405.88	1,607.42	1,646.51	1,461.03
CAA 3 x 12	1,661.14	1,862.07	1,901.92	1,715.63
CSA 2 x 2	718.31	816.59	996.55	N/A
CSA 2 x 4	753.63	851.91	1,031.94	N/A
CSA 2 x 6	788.30	886.58	1,066.54	N/A
CSA 2 x 8	994.69	1,166.19	1,272.83	N/A
CSA 2 x 10	1,125.41	1,296.96	1,403.59	N/A
CSA 3 x 5	1,638.81	1,839.57	1,879.54	1,693.90
CSA 3 x 8	1,748.56	1,949.43	1,989.28	1,803.76
CSA 3 x 12	2,074.08	2,274.90	2,314.81	2,129.23
CNA 2 x 2			952.70	N/A
CNA 2 x 4			978.86	N/A
CNA 2 x 6			1,022.32	N/A
CNA 2 x 8			1,163.90	N/A
CNA 2 x 10	N/A	N/A	1,274.57	N/A
CNA 3 x 5			1,879.48	1,694.54
CNA 3 x 8			1,989.28	1,803.76
CNA 3 x 12			2,314.81	2,129.23

2" Bore - Clevis mount 278.23
 3" Bore - Clevis mount 240.72
 3" Bore - Rectangular flange 135.07

2" Bore - Side mount
 2", 4 & 6" strokes 98.28
 8" & 10" strokes 171.60
 3" Bore - Side mount 200.76

Models CA 4" Bore

Model	Mounting Style					
	Primary			Fixed		
	FRP	RP	FP	F or R	S	C
CA 4 x 6	2,060.60	2,014.57	2,014.57	2,060.60	2,126.60	2,786.07
CA 4 x 8	2,150.03	2,103.89	2,103.89	2,150.03	2,216.04	2,875.39
CA 4 x 16	3,794.63	2,944.35	2,944.35	3,794.63	3,066.98	3,753.68
CAA 4 x 6	2,031.66	1,985.75	1,985.75	2,031.66	2,097.66	2,757.07
CAA 4 x 8	2,121.21	2,075.50	2,075.50	2,121.21	2,186.34	2,846.45
CAA 4 X 16	2,968.92	2,914.10	2,914.10	2,968.92	2,942.28	3,721.86
CSA 4 x 6	2,046.51	2,000.48	2,000.48	2,046.51	2,112.47	2,771.92
CSA 4 x 8	2,135.95	2,089.92	2,089.92	2,135.95	2,201.90	2,861.36
CSA 4 x 16	2,983.44	2,929.50	2,929.50	2,983.44	3,052.19	3,737.25
CNA 4x 6						2,786.07
CNA 4 x 8	N/A	N/A	N/A	N/A	N/A	2,874.24
CNA 4 x 16						3,753.68

Stop Tube price adder 159.21
 Viton seal price adder 241.71

Prices apply to standard inner tubes: Suffix 3, 5 & 7.
 It is suggested that you consult the factory to confirm exact model number.

Air Oil Tanks

Air Oil Tanks			
Model	Price	Part	Used with shock absorber models:
AO-1	62.34	050-0001	MAA, MLA, MCA 33 and 36
AO-3	131.04	050-0003	MAA, MLA, MCA 45 and 64
AO-6-91	293.63	050-9007	1-1/2 x 5", 1-1/2 x 6-1/2", 2" & 3" bore
AO-81	741.35	050-0011	4" bore
AO-82	908.05	050-0012	4" bore

Check Valves

Check Valves			
Model	Price	Part	Use with air oil tank:
CV 1/4	13.75	005-0003	
CV 1/8	9.33	005-0001	AO-1
CV 3/8	17.68	005-0004	AO-3
CV 3/8-F	26.04	005-0007	
CV 1/2	30.90	005-0005	
CV 3/4	34.60	005-2006	AO-9-91, 81,82
CV 3/4-F	46.51	005-9026	

Sight Gages

Sight Gages			
Model	Price	Part	Used with shock absorber models:
SG 1/8	53.01	250-0101	MA, ML, MC 33, 36 and 45
SG 1/8-2	54.75	250-0106	MA, ML, MC 64
SG 1/8-4	43.61	250-0107	1-1/2" bore
SG 1/8-6	57.48	250-0108	2", 3" bore

NuCushion - External

NuCushion		
Model	Price	Part
3.25R CE Wall Assy	12.77	144-0010
3.25R RE Wall Assy	12.77	144-0009
4.00R CE Wall Assy	13.04	144-0012
4.00R RE Wall Assy	13.04	144-0011

Stacker Cranes (SCS Series)

Model	SCS 38 SCS 38F SCS 38R	SCS 38S	SCS 50 SCS 50F SCS 50R	SCS 50S	SCS 63 SCS 63F SCS 63R	SCS 63S
Stroke	Price					
50	459.94	501.77	**	**	**	**
100	492.87	534.63	525.30	697.84	821.34	889.09
150	525.68	567.55	689.97	743.86	886.66	954.78
200	558.49	600.37	735.94	789.78	952.82	1,020.47
250	591.42	633.13	788.52	842.36	1,051.37	1,119.07
300	624.28	666.12	834.56	888.39	1,117.11	1,184.75
350	657.04	698.88	880.58	934.31	1,182.89	1,250.55
400	722.78	764.61	946.21	1,000.05	1,248.53	1,316.18
500	788.52	830.29	1,044.77	1,098.65	1,379.95	1,447.65
600	854.26	895.98	1,117.11	1,170.89	1,511.32	1,579.03
700	952.82	994.69	1,215.66	1,269.50	1,642.79	1,710.50
800	1,018.50	1,060.33	1,314.22	1,368.05	1,774.16	1,841.86
1000	**	**	1,412.77	1,466.66	2,037.06	2,104.71
1200	**	**	**	**	2,299.85	2,367.56

Crane Bumpers (CB Series)

Model	CB 63F CB 63R	CB 63*B	CB 100F CB 100R	CB 100*B	CB 160F CB 160R	CB 160*B
Stroke	Price					
100	920.01	950.69	**	**	**	**
200	998.79	1,029.53	1,563.90	1,600.75	**	**
300	1,084.24	1,081.35	1,642.79	1,679.65	**	**
400	1,163.08	1,193.76	1,741.35	1,778.25	4,599.82	4,618.49
500	1,248.48	1,279.21	1,839.95	1,910.50	**	**
600	**	**	1,967.56	1,975.42	5,125.51	5,144.19
800	**	**	**	**	5,651.25	5,727.20

* F or R options

**Consult factory for pricing.

Tow Bar Snubbers

Model	Price	Part
SN 2-1/2 x 4	368.55	220-0001
SN 2-1/2 x 6	382.52	220-0002
SN 2-1/2 x 4-SS	412.66	220-0008
SN 2-1/2 x 6-SS	426.58	220-0007

Model	Price	Part
Steel Sleeve	41.54	250-0376

VC Series

Standard Models

Model	Price	Part
VC 2515-F	175.53	164-0310
VC 2530-F	183.12	164-0311
VC 2555-F	191.15	164-0312
VC 2575-F	224.34	164-0313
VC 25100-F	246.45	164-0314
VC 25125-F	253.72	164-0315

Threaded Models

Model	Price	Part
VC 2515-FT	177.99	164-0300
VC 2530-FT	185.47	164-0301
VC 2555-FT	193.49	164-0302
VC 2575-FT	229.15	164-0303
VC 25100-FT	244.11	164-0304
VC 25125-FT	258.46	164-0305

Accessories	Price	Standard Smooth Body (F)	Threaded Body (FT)
Air Bleed Collar SP-25 (VC 2515 to 2555)	42.04	N/A	10783-000
Clamp MB-25			10780-000
Clamp Mount			
VC 2515			
VC 2530	14.67	250-0465	10780-000
VC 2555			
VC 2575			
VC 25100	14.67	250-0466	10780-000
VC 25125			

MVC Series

Model	Price	Part
MVC 225		171-0101
MVC 225M	55.41	171-0102
MVC 225-NB		171-0106
MVC 225M-NB	52.41	171-0107
MVC 225-BP		171-9058
MVC 225M-BP	61.03	171-9059
MVC 600		126-0101
MVC 600M	85.72	126-0102
MVC 600-NB		126-0108
MVC 600M-NB	82.19	126-0106
MVC 600-880	82.19	126-9014
MVC 600-BP		126-9061
MVC 600M-BP	94.23	126-9062
MVC 900		127-0101
MVC 900M	121.31	127-0102
MVC 900-NB		127-0108
MVC 900M-NB	118.31	127-0106
MVC 900-880		127-9017
MVC 900M-880	115.58	127-9003
MVC 900-BP		127-9026
MVC 900M-BP	131.62	127-9024

Steel Button/Urethane Cap Adder

Model	Price
MVC 225	10.25
MVC 600 & 900	10.31

Note: Ordering installed at factory use -BP (Example: MVC 225-BP).

Accessories	Price	Std. Part	Metric Part
Lock Nut			
MVC 225	1.74	250-0399	250-0207
MVC 600 & 900	2.06	250-0400	250-0040
Mounting Block			
MVC 225	17.52	250-0401	250-0353
MVC 600 & 900	18.29	250-0402	250-0044
Stop Collar			
MVC 225	6.98	250-0403	250-0410
MVC 600 & 900	11.51	250-0275	250-0276
StopLight™ Mounting Switch Assembly			
MVC 225, 600, 900	65.07	250-3NPN	250-3NPN
		250-3PNP	250-3PNP
StopLight™ Mounting Block Assembly			
MVC 225	21.17	250-0379	250-0380
MVC 600 & 900	24.18	250-0381	250-0382
Steel Button/Urethane Cap Assembly*			
MVC 225	19.38	250-0098	
MVC 600 & 900	21.77	250-0100	N/A

*Ordering installed at factory use price adder in the chart on the left.

Button Assembly	Price	Part
MVC 225	5.61	10719-000
MVC 600 & 900	8.51	08588-000

The button assembly is an integral part of the shock absorber and is considered a replacement part and not an accessory. It is not combinable with accessories for discount.

All models include one lock nut.

DVC Series

Model	Price	Part
DVC-2	114.93	185-0001
DVC-2-CCO	101.44	185-0007
DVC-2-CTO	101.44	185-0013
DVC-2M	114.93	185-0004
DVC-2M-CCO	101.44	185-0010
DVC-2M-CTO	101.44	185-0016

Model	Price	Part
DVC-4	125.79	185-0002
DVC-4-CCO	112.25	185-0008
DVC-4-CTO	112.25	185-0014
DVC-4M	125.79	185-0005
DVC-4M-CCO	112.25	185-0011
DVC-4M-CTO	112.25	185-0017

Model	Price	Part
DVC-6	133.87	185-0003
DVC-6-CCO	120.27	185-0009
DVC-6-CTO	120.27	185-0015
DVC-6M	133.87	185-0006
DVC-6M-CCO	120.27	185-0012
DVC-6M-CTO	120.27	185-0018

Standard Special Adders (Capabilities)



Contact the customer service department for price and availability on all adders.

Key:

- P = See price list
- Q = Consult factory for quote
- S = Standard on shock absorber

Shock Absorber Product Groups

Part	Description	Shock Absorber Product Groups																				
		1-1/2", 2" & 3"	CA 2" & 3"	CA 4"	CB Series	FA Series	MA 225 - 900	MA 150	MA 35	MC 150 - 600	MC 25 - 75	MC 9 & 10	SC ² 190 - 925	SC 25 - 650 Heavyweights	SC 25 - 650 High Cycle Series	AS 3/8 x 1"	SCS Series	MA Series	ML Series	MC Series		
1/16 NPT bleeder, inner tube retainer or bearing	Bleed port for vertically mounted shock used with Air/Oil tank, bore sizes 1-1/2, 2, and 3.	Q	Q	Q																		
Bearing - Special bearing retainer	(-1347) Retainer for high velocity applications.								Q													
Bladder - Neoprene	(-1081) For use in petroleum based fluid environments.						Q		Q													
Button - 5" diameter	Larger button, meets AISE spec for crane bumpers (5" min).	Q	Q	Q	Q												Q	Q	Q	Q		
Button - 7" diameter	Larger button, meets AISE spec for crane bumpers (5" min).				Q												Q					
Chain - Rod security chain	Connects the piston rod to the shock body in case of breakage. Meets AISE, CMAA, & ASME specifications for crane bumpers.	Q	Q	Q	Q												Q	Q	Q	Q		
Clevis	(-C) Front and rear clevis assembly.	P	Q	P	P		Q	Q		Q		Q	Q	Q	Q	Q	Q	P	P	P		
Deflector - Nylon	Protects the sponge. Used with double and triple area orificing for high velocity applications.	Q	Q	Q														Q				
High temperature viton sponge, seals and oil	Replaces standard seals with viton for high temperature applications.	P	Q	P	P											Q	Q	Q	Q	Q		
Inner tube - special	CA 4 x stroke - # (#=1,2,4,6,8,9,10, 11,12). For high or low velocity applications.			Q																		
Inner tube for low effective weight	(-0) For high velocity and low effective weight applications.		Q									Q									Q	
Metal rod scraper	(-WS) Cleans piston rod better than standard plastic wiper. For weld slag or other dirty environment applications.	Q	Q	Q														Q	Q	Q		
Oil - American 150	(-10) Standard petroleum based oil.	Q	Q	Q	Q		Q			Q					Q	Q	Q	Q	Q	Q		
Oil - ATF	(-207) Standard automatic transmission fluid (ATF).	Q	S	S	Q		Q			Q		Q				Q	S	Q	S	Q		
Oil - Mineral	(-471) Edible oil used as the working fluid for clean rooms and the food industry.	Q	Q	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q		
Orifice - Single orifice	(-111) One orifice instead of multiple orifices converts the shock to a feed control.	Q					Q	S	S			Q	Q	Q				Q	Q			
Orificing - Single row	Shock is designed as a hydroshock to meet application inputs where maximum reaction force is critical.		Q	Q	S				Q			Q	Q	Q		S				Q		
Orificing - Double row	Shock is designed as a hydroshock to meet application inputs where maximum reaction force is critical.		Q	Q	Q				Q			Q	Q	Q		Q				Q		
Orificing - Double area orificing	(-2243) for Magnum adjustable models only Equivalent to two rows of adjustable orifices for high velocity applications.	Q					Q	Q					Q	Q				Q				
Orificing - Triple area orificing	(-2360) for Magnum adjustable models only. Equivalent to three rows of adjustable orifices for very high velocity applications.	Q																Q				
Paint, Exterior - Ameron epoxy paint	(-1213) All exterior surfaces, (excluding piston rod and spring) are primed and painted for corrosion protection and the outdoor environment.	Q	Q	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q		Q	Q	Q	Q	Q		



Standard Special Adders (Capabilities)

Contact the customer service department for price and availability on all adders.

Key:

- P = See price list
- Q = Consult factory for quote
- S = Standard on shock absorber

Shock Absorber Product Groups

Part	Description	Shock Absorber Product Groups																			
		1-1/2", 2" & 3"	CA 2" & 3"	CA 4"	CB Series	FA Series	MA 225 - 900	MA 150	MA 35	MC 150 - 600	MC 25 - 75	MC 9 & 10	SC ² 190 - 925	SC 25 - 650 Heavyweights	SC 25 - 650 High Cycle Series	AS 3/8 x 1"	SCS Series	MA Series	ML Series	MC Series	
Paint, Exterior - Ameron marine epoxy paint	All exterior surfaces, (excluding the rod and spring) are primed and painted for use in an outdoor environment near the ocean where salt spray is possible.	Q	Q	Q	Q		Q	Q	Q	Q	Q	Q	Q				Q	Q	Q	Q	Q
Paint, Exterior - Outdoor environment paint	All exterior surfaces, (excluding rod and spring) are primed and painted for corrosion protection for use in an outdoor environment.	Q	Q	Q	Q		Q	Q	Q	Q	Q	Q	Q				Q	Q	Q	Q	Q
Piston ring - Low leak piston ring	(-1268) Standard piston ring is replaced with double piston rings. For use in low velocity applications.	Q	Q	Q	Q														Q	S	S
Piston rod - 0.001" heavy chrome plating	(-538) Additional chrome plating for corrosion protection in an outdoor environment.	Q	Q	Q	Q			Q	Q	Q	Q		Q					Q	Q	Q	Q
Piston rod - 0.002" heavy chrome plating	Additional chrome plating for corrosion protection in an outdoor environment.	Q	Q	Q	Q			Q	Q	Q	Q		Q					Q	Q	Q	Q
Piston rod - 0.003" heavy chrome plating	Additional chrome plating for corrosion protection in an outdoor environment.	Q	Q	Q	Q			Q	Q	Q	Q		Q					Q	Q	Q	Q
Piston rod - 2" stroke piston rod replaced by 6"	(-531) Longer piston rod is installed where extra stick out length is needed for the application.																		Q	Q	
Piston rod - High velocity rod	(CA -1, -2) Check valve in piston is different for higher velocity applications.		Q	Q																	
Piston rod - Stainless steel rod	(-25) For use in the outdoor environment, corrosion protection, for the food industry and clean rooms.	Q	Q	Q	Q		Q	Q	Q	Q	Q	S	Q				Q	Q	Q	Q	Q
Plating, Exterior - Cadmium	(-187) Cosmetic covering for use in the food industry and clean rooms.	Q	Q	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Plating, Exterior - Chrome	Cosmetic covering for use in the food industry and clean rooms.	Q	Q	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Plating, Exterior - Nickel	Cosmetic covering for use in the food industry and clean rooms.	Q	Q	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Polypak - Parker Molythane u-cup	(-1515) Seal package that has an o-ring in the u-cup for applications in dirty environments.	Q	Q	Q														Q	Q	Q	Q
Port - Extra port in the outer tube	(-119) Additional port for A/O tank. For use with high velocity applications.	Q	Q	Q														Q	Q	Q	Q
Screw driver slot	Slot cut in end of shock. Allows the shock to be easily mounted.						Q	Q	Q	Q	Q	Q	Q				Q				
Spring - Epoxy coated	(-886) Environmental protection. For applications in outdoor environment, corrosion protection.	Q	Q	Q															Q	Q	Q
Stop tube	Spacer placed in shock absorber to pre-compress piston so that less stroke is used. Used when space is limited and/or a nonstandard stroke is required	P	Q	P	S		Q	Q	Q	Q	Q	Q	Q	Q	Q		Q	P	P	P	
Weartec, heat treating process	Environmental and corrosion protection for outdoor applications.	Q	Q	Q	Q		S	S	S	S	S	S	S	S	S	Q	S	S	S	S	
Z-mount	(-Z) Allows bearing area of the shock absorber to see air pressure. Shock mounted in the cap of an air cylinder.	P	Q	Q			S	S					Q	Q			P	P	P		



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