



HEAVY DUTY SHOCK ABSORBERS

for Truck, Trailer &
Severe Duty Applications



Marathon
SUSPENSION SYSTEMS

Heavy Duty Shock Absorbers



For more than 30 years America's heavy duty truck, bus and severe service fleets have trusted Marathon Brake Systems to provide Best-in-Class friction materials that deliver stopping power and the longest service life. Now Marathon is introducing a complete line of heavy duty shock absorbers for these same fleet applications. Marathon shock absorbers are designed and built to provide a comfortable, smooth ride and reduce vibrations from suspension systems. These hydraulic shocks feature rugged construction with reinforced welds, tough end mounts and durable piston seals to provide consistent performance over the life of the shock.

Marathon Shocks Deliver

- Heavy duty design for long service life
- Models for wide range of over-the-road and severe duty applications
- Tough, high tensile strength end mounts
- Reinforced welded perimeter and end mounts for greater durability
- Chrome finished tempered steel piston rods protect from corrosion
- High viscosity hydraulic oil for consistent performance over life of shock
- Durable piston seals for optimum performance and life
- Design offers increased hydraulic oil capacity to protect internal components
- Greater driver comfort and safer driving
- Prevent premature tire wear
- Protect vibration sensitive components



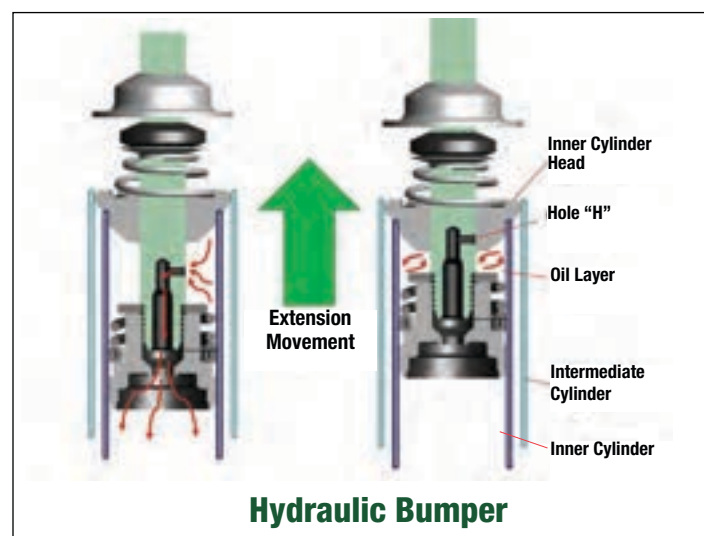
Marathon Hydraulic Heavy Duty Shock Absorbers

Top-Performing Hydraulic Shock Design

- Hydraulic stop design outperforms market leader
- Seals and valves facilitate piston dampening in both up and down movements
- Smoothness of vibration absorption improves comfort and durability
- Consistent performance over life of shock improves tire wear and lessens component wear

Hydraulic Bumper Detail

During the extension movement, the shock's hydraulic stop design has the top hole covered by the inner cylinder head (shown on right) creating a layer of oil that protects the shock from topping out and damaging components.



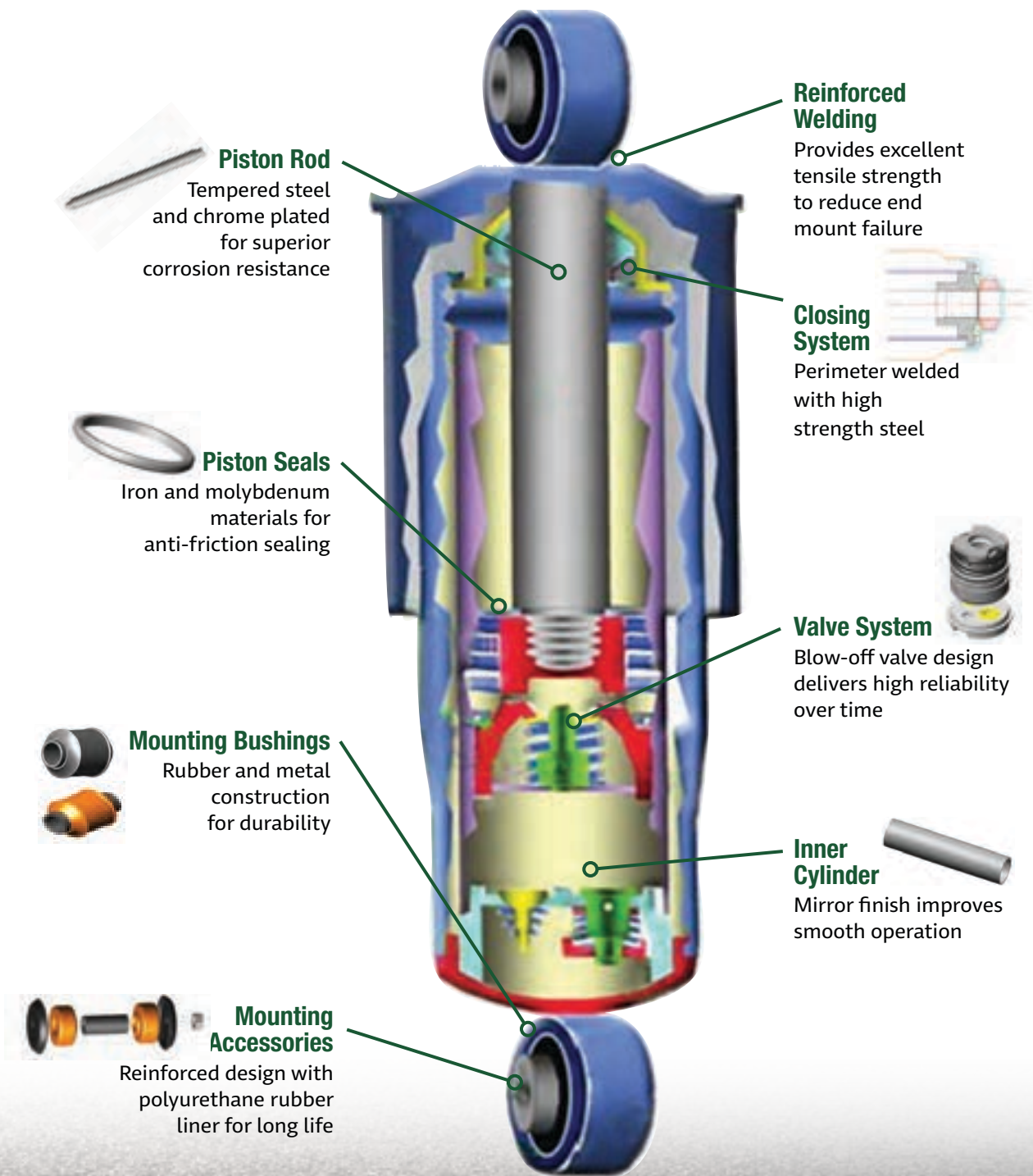
High Performance Hydraulic Oil

High viscosity oil provides excellent characteristics through all types of weather and extreme heat generated in severe service applications.



Marathon Shocks

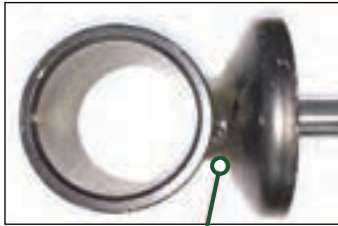
Designed & Built for the Long Haul



Marathon Shock Advantages



Welded Perimeter for Closing System



Reinforced Projection Welded Zones **8,000 lbs.** maximum tensile strength of mounting



End Cap - Outer Tube Welding **12,000 lbs.** maximum tensile strength (Assembly tested under 10-15 psi air pressure submerged in water without leaks)



Super Chrome Piston Rods

- Temper hardness of 30-55 Rc
- Chrome plated surface hardness 67 Rc min., 0.0004" min. thickness
- Dehydrogenized at 218° C for 70 minutes
- Surface finish of Ra:6μ" and Rz:45μ"
- Salt spray test for 24 hours minimum

Part Number Cross Reference

MARATHON	GRC	MONROE	DESCRIPTION	POSITION
15509-MB	646155 646177	66506 66502	Kenworth	Rear
15511-MB	619501	66138	International	Cabin
43137-MB	83009	66147	Freightliner Classic, XL, Colombia, FL60/70, FLC112/120, FLD112/120	Cabin
43148-MB	83001	66118	Freightliner Century Class FL60, FL70	Cabin
43149-MB	83518	66722	Hino Series 155, 195	Front
43153-MB	83519		Hino Series 195	Rear
53010-MB	83136	66628	Chevrolet, Champion Bus, Kodiak, Top Kick	Front
53018-MB	83317	66924	Ford F650/750, International School Bus	Rear
53019-MB	83456 89447	66923	International School Bus	Front
53039-MB	85006	65482	Freightliner FL50, 60, 70, 80 - Business Class	Rear
53082-MB	83515	66653	Chevrolet Truck Series W (Isuzu) Modelos W4	Front
53094-MB	83137	66894	Blue Bird, Autocar	Rear
53101-MB	83038	66122	Freightliner Cascadia, Century Class	Cabin
53106-MB	83127	66636	Saf Holland air suspension for trailer RLSA228 (RLSA-228-4214, -4215, -4216, -4814, -4815, -4816) Freightliner 16-14668-000"	Rear
53108-MB	85029	65451	International Navistar Series 9300, 9300i, 9400 & 9400i,	Front/Rear
53109-MB	83125	66884	Hendrickson Series	Rear
53110-MB	83207	66886	Brockway School Bus, Chance Coach Bus, Chevrolet, GMC, Hendrickson, Mack, Ridewell, SAF Holland, Twin Coach	Front/Rear
53115-MB	83124	65106 66886	Kenworth, Bluebird, Coachmen, East Mfg Trailer	Front/Rear
53119-MB	83123	65481	Ford F650/750, Kenworth, Mack, Peterbilt	Rear
53120-MB	83209	66710	International, Western Star (Mack-Front)	Rear
53123-MB	83613	66605	Chevrolet/Isuzu-Rear, International-Front	Front/Rear
53124-MB	83112	66648	International, Mack, Western Star	Rear
53125-MB	83169	66412	IC Corporation, International	Front
53126-MB	83130	66610	Ridewell, SAF, Volvo, Wabash	Rear
53127-MB	83122	555001	Hine, Mack	Front/Rear
53128-MB	83142	65508	Autocar, Freightliner, International, Kenworth, Mack, Peterbilt	Rear
53129-MB	83135	66445	International	Front
53130-MB	83221	66878	Chevrolet, GMC, Kenworth, Peterbilt, Western Star	Front/Rear
53132-MB	83163	65143	IC Corporation, International	Front
53133-MB	83177	555031	Ford, Winnebago	
53135-MB	83363	66438	Saf Holland Trailer Air Suspension (Models CB 25)	Rear
53136-MB	83364	66409	Navistar DuraStar-Series 4300, 4400, TerraStar	Rear
53137-MB	83389	66608	Saf Holland Trailer Air Suspension (Models CBX 2)	Rear
53138-MB		66721	Hino Series (238, 258, 268, 268A, 338, 358)	Front
53139-MB	83395		Navistar DuraStar-Series 4300, 4400	Rear
53140-MB	83901		Mack Series Granite, Pinnacle - CHU, CXU	Cabin
53141-MB	83905	66135	Volvo Series VNL, VHD, VNM, VNR Models VNL	Cabin
53142-MB	83906		Freightliner Cascadia, Columbia, Coronado	Cabin
53143-MB	83147	65505	BlueBird, Mack	Rear

MARATHON	GRC	MONROE	DESCRIPTION	POSITION
53144-MB		66440	Ram, Winnebago	
53145-MB	83396	66458	Freightliner	Front
53146-MB	83062	66131		Cabin
58049-MB	85000	65419	Hendrickson Intraax	Rear
58064-MB	85070	65159	Kenworth T2000, T440, T470, T600, T600A, T600B, T602, T660	Front
58073-MB	85084	65175	Kenworth/Peterbilt 200-300 Series	Front
58081-MB	85920	66406	Freightliner/M2 Business Class	Front
58083-MB	85909	65431	Ford, Freightliner, Hendrickson Truck, Kenworth	Rear
58085-MB	85072	65504	Hendrickson Series Firemaax 240, 480, EX 242, EX 482, 230	Rear
58087-MB	85109		Kenworth	Rear
58092-MB	85954	65157	International series Prostar y 8000	Front
58093-MB	85033	65400	Peterbilt series 378,379,385	Rear
58094-MB	85064	65512	Great Dane Trailer HENS-23649	Rear
58095-MB	85066	65486	Mack series CX (Vision), CHN	Rear
58096-MB	85067	65495	Kenworth C500, C500B, C500K, C540 & C550	Rear
58097-MB	85069	65528	Kenworth T300, T270, T370, T400	Rear
58098-MB	85045	65511	Hendrickson Intraax	Rear
58099-MB	85062	65101	Peterbilt series 320, 357, 365	Front
58100-MB	85933	65497	Hendrickson Airtek Series	Front
58101-MB	85938	65512	Hendrickson HT250US (Remote and Standard Mount Models)	Rear
58102-MB	85012	65133	International Binder, Cargostar	Front
58103-MB	85900	65436	Kenworth C500, C500B, C500K, C540 & C550	Front
58105-MB	85088	65486	Mack series CXN	Rear
58106-MB	85098	65494	Mack series CXN	Front
58107-MB	85958	65148	Freightliner Cascadia, Columbia, Coronado	Front
58109-MB	85957	65144	International Navistar, Ford	Front
58113-MB	85052	66607	Volvo 3919569, 83176222, RC SA5052	Rear
58114-MB	85934	65493	Ridewell Corporation Air-Rides RAR-240, RAR-240W, RAR-243	Rear
58115-MB	85937	65523	Kenworth Icon 900 , T2000, T440, T470, T600, T600A, T600B	Rear
58116-MB	85001	65102	Kenworth C500, C500B, C500K, C540 & C550	Front
58117-MB	85931	65492	International Series 9200, 9200i	Front
58118-MB	85003	65409	International Series 1000 & 2000	Rear
58119-MB	85061	65494	Mack Series CX (Vision), CHN	Front/Rear
58120-MB	85918	65148	Freightliner Century Class - C112, C120, CST112 & CST120	Front
58121-MB	85013	65420	Ford LL, LLA, LTA, LTL, LTLA, LA, LS & LST Conventional Cab	Rear
58122-MB	85030	65421	Ford Series AeroMax (A, AT, AAT, 8500, 9500)	Front/Rear
58123-MB	85924	65147	Navistar Conventional Truck and Tractors with long Chest	Front
58124-MB	89424	65402	International, Peterbilt	Front/Rear
58126-MB	85919	65503	Blue Bird, Freightliner	Front
58127-MB	85005	65110	Hine, Mack	Front/Rear
58129-MB	85058	65109 65478	Blue Bird, Freightliner	Front
58130-MB	85901	65435	Freightliner, Kenworth, Peterbilt	Front
58131-MB	85959	65162 65540	Blue Bird	Front
58138-MB	85936	65524	Kenworth T400, T600, T700, T880, W900	Rear
58139-MB	85036	65411	Autocar, Ford, Kenworth, Mack, Peterbilt	Rear
58141-MB	85994	65158	International	Front
58142-MB	85316 89426	65107	International	Front

Part Number Cross Reference *(continued)*

MARATHON	GRC	MONROE	DESCRIPTION	POSITION
58143-MB	85928	65144	Ford, International	Front
58144-MB	85978	65483	Hendrickson HAS 400 and 460 Series	Rear
58145-MB	85976	65484	Ford, International, Kenworth	Rear
58150-MB	85046	65415	Autocar, Chevrolet, GMC, Volvo	Rear
58151-MB	85082	65522	International	Rear
58152-MB	85023	65405	Volvo	Rear
58153-MB	85926	65488	Ford, International	Rear
58154-MB	85956	65526	Freightliner, Sterling Truck, Western truck	Rear
58155-MB	85638		Hendrickson Suspensions HAS 460	Rear
58156-MB	85639	65180	Navistar Series 9900, 9900i, 9900ix Conventional	Front
58157-MB	85045	66627	Hendrickson, Ridewell, Reyco, SAF Holland	Rear
58158-MB	85989	65175	Kenworth, Peterbilt	Front
58159-MB	85060	65519	Western Star	Rear
59700-MB	77968	65168	Ford	Rear
69771-MB	G63969	65167	Ford	Front
72014-MB	83128	66608	Hendrickson Vantraax	Rear
72016-MB	83203	66896	Chevrolet, GMC, Wabash	Front/Rear
72051-MB	83008	66145	Peterbilt Series 367,377,379	Cabin
78013-MB	85323	65416	Hendrickson Intraax/ Volvo	Rear
78015-MB	85724	65490	Freightliner Cascadia	Rear
78031-MB	85311	65402	International Series 400, 500, 600, 700, y 900	Rear
78071-MB	85736	65407	BlueBird, Chevrolet, Crane Carrier, Freightliner, International	Front
78076-MB	85738	65500	Hendrickson Models AAEDL, AANT, AAT, AAZL, AAZNT, HT230T, HT	Rear
78077-MB	85310	65404	Kenworth C500, C500B, C500K, C540 & C550	Rear
78078-MB	85320	65103	Freightliner Classic/ClassicXL	Front
78079-MB	85319	65408	Freightliner	Rear
78081-MB	85338	65513	Hendrickson	Rear
78082-MB	85642	65549	International	Rear
78083-MB	85637	65186	Navistar TranStar-Series 8500, 8600	Front
79212-MB	G57802	553003	Dodge, Freightliner, Mercedes Benz, Winnebago	



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