



POWER SPRINGS

AUXILIARY SPRINGS



Put Power into your springs ...

Whether for personal or business use, there are always moments when vehicles need to carry heavy loads. For example, you are going on a holiday with your family or when towing a trailer, trailer tent, caravan or boat. Anytime an extra load of 75 kilos is added to the tow ball, it is no wonder that the standard vehicle suspension needs some help. Also, if your car carries a constant heavy load such as a LPG tank or equipment, it is advisable to place the extra power of MAD Auxiliary Springs into your suspension. With Power Springs you will notice that your car's road handling is positively improved.



Six effects of a heavy load on your suspension:

1. The car tilts more to the back
2. The front wheels have less grip on the road
3. The stability is reduced
4. The braking distance becomes longer
5. The car "bottoms out" or even hits the road surface
6. When towing a camping trailer or a cargo trailer the combination tends to "wobble".

The solution:

To counter the negative effects of heavy loads, MAD has developed cleverly designed Auxiliary Springs and Cross Country Sets. Powerful additions to your suspension that you will not notice in every day use of your vehicle. A set of MAD Auxiliary Springs offers extra support to your existing springs. A Cross Country Set offers both extra support and extra ride-height (3 to 6 cm) to your vehicle. The investment to install Powersprings starts at 95,- Euro. Any dealership, garage or fast-fitter can install your chosen system quickly and easily, within an hour.



Auxiliary Springs ...

As effective as they are simple. MAD Auxiliary Springs do exactly what they are designed to do; making it possible to transport heavy loads or trailers without any loss of comfort and safety. They keep the car steady on the road, ensure a safe braking distance and provide a high level of comfort whether loaded or unloaded. MAD designs and manufactures progressive spring solutions and top quality materials. Each of the more than 1500 sets in our catalogue is designed specifically for each vehicle.

The high level of quality is supported by a lifetime guarantee and the fact that major fleet owners like The AA (England), Forestry Commission (England), the Dutch Police and the ANWB (The Netherlands) have all chosen MAD Suspension Systems for their vehicles.



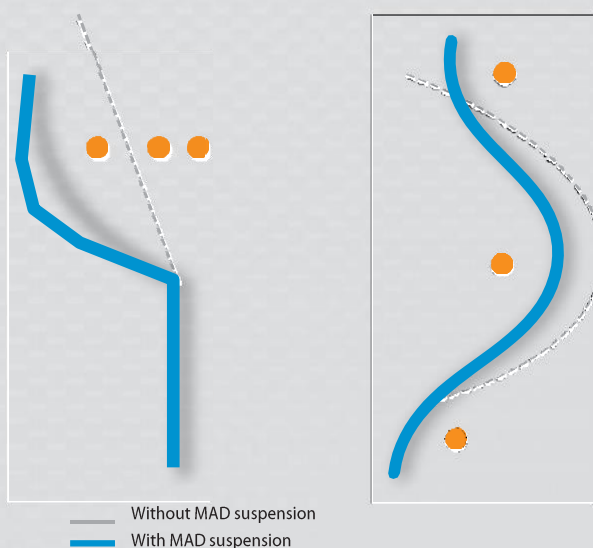


The proof

Specially for MAD the influence of the MAD Suspension Systems in extreme manoeuvres were tested. A heavily loaded vehicle will perform much better when equipped with MAD.

In extreme manoeuvres, such as a sudden evasive movement or swerving at high speed, a heavily loaded vehicle will perform much better when equipped with MAD Auxiliary Springs or a Cross Country Set. Despite an extra weight of 300 kg the car remains easy to control and well in balance. In emergency situations this can mean the difference between an accident or a narrow escape.

Slalom and evasive movement test with 300 Kg additional load.



Advantages of MAD Auxiliary Springs:

1. Auxiliary Springs increase safety
2. Auxiliary Springs improve road handling
3. Auxiliary Springs improve comfort
4. Higher loads, less investment
5. Auxiliary Springs prevent the car from tilting to the back
6. MAD Auxiliary Springs come with a lifetime warranty
7. MAD offers an extensive catalogue for 99% of current passenger cars and commercial vehicles
8. High level of quality as confirmed by TÜV, ISO and RDW approvals
9. Experienced technical support through 35 years experience
10. Fast worldwide delivery
11. Fast and easy fitting

For all conventional suspension systems MAD has a TÜV approval or endorsement of the Dutch RDW. This confirms the quality and image of MAD products.

Cross Country

Cross Country Springs are a highly specialised addition to the MAD Suspension Systems catalogue. Used for raising the ground clearance of the vehicle, a Cross Country Set offers the ultimate solution for anyone travelling across off-road or bad conditions. Also, a MAD Cross Country set enables a driver to negotiate obstacles like a sleeping policeman or a road curb. This applies to ambulance drivers, firemen, doctors, policemen and many more. For each set the specific car model is brought into our workshops for exact measurements and design. Here our engineers work on designing the best solution. A MAD Cross Country Set maximizes the usability of a vehicle, while maintaining both comfort and road handling.



Interactive Suspension

As versatile as they are reliable. MAD Interactive Suspension offers the ultimate in suspension control and possibilities. With MAD Interactive Suspension it is possible to adjust the amount of spring action and achieve the maximum comfort and result.

The pressure inside the bellows can be adjusted from the dashboard using an optional on board compressor or simply at any garage forecourt. By controlling the spring action you can control the height of the vehicle. This can be very useful, for example to make a vehicle tilt when loading for easy access, or when necessary, to lower a van to gain access to an underground garage.



Replacement springs

When you think of Suspension, you think of MAD. Also for Replacement coil springs MAD can offer a complete program.

This gives a few unique advantages:

- Shorter supplies and faster revenue
- Less transport costs through 1-stop shopping
- Catalogue covers the market
- 3 years warranty *
- No copies, all technical specifications and support from our research department
- Excellent price/quality ratio
- Chrome Silicium or Chrome Vanadium springs
- Cold wound for maximum preservation of original form
- Perfect surface and anti-corrosion treatment, phosphated and powder coated (epoxy)
- TÜV and ISO 9001 certified
- Springs individually packaged in easy recognizable MAD packaging including EAN (bar) codes



Information regarding this program you can find on www.tjkarrosseri.dk

* only valid when both springs on axle are replaced