



Welcome

To the world of

M.A.D. Holding B.V.



M.A.D. Holding The Netherlands





Who is M.A.D?

- Founded in 1976
- Started by Egbert Meindersma
- Veenendaal – The Netherlands

- ISO 9001/2008 en TÜV

Products :

- Suspension Systems
- Disc Aligners
- Easy Load



1976



Present



MAD Philosophy

- Development, production and marketing of System Solution for Automotive Industry
- Partner for OEM/OES and After Market Customers





Supportive Suspension



EasyLoad

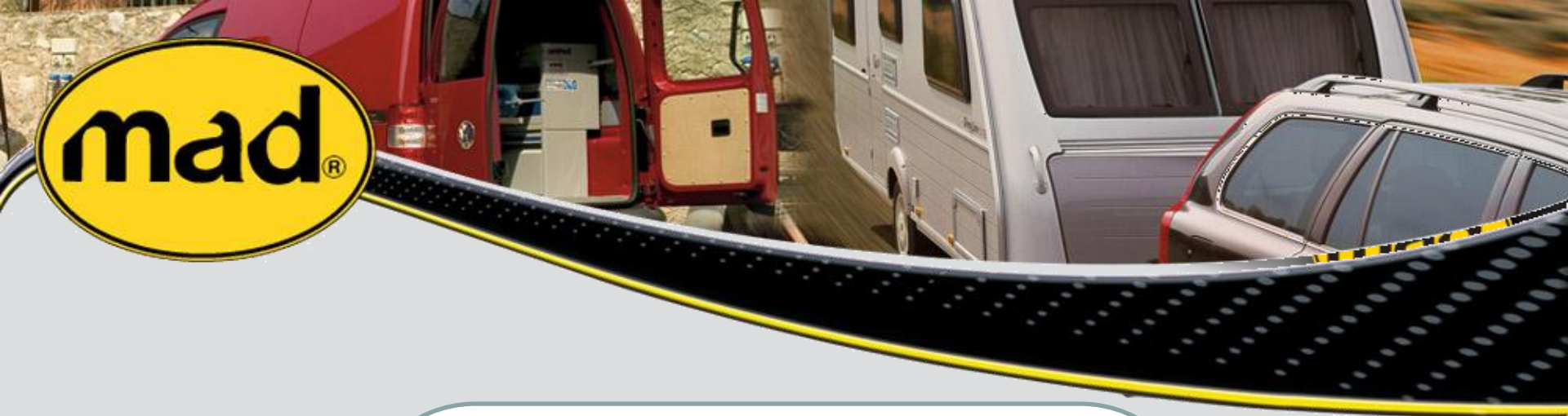


Disc Aligners



Sportive Suspension





**Suspension
Systems**





Why
Power Springs ?

Original suspension is not developed for extra load



Car is hanging on the rear and the stability is negatively influenced



Why
Power Springs ?

the Solution

Original suspension is not developed for extra load



Power Springs are compensating the extra load.

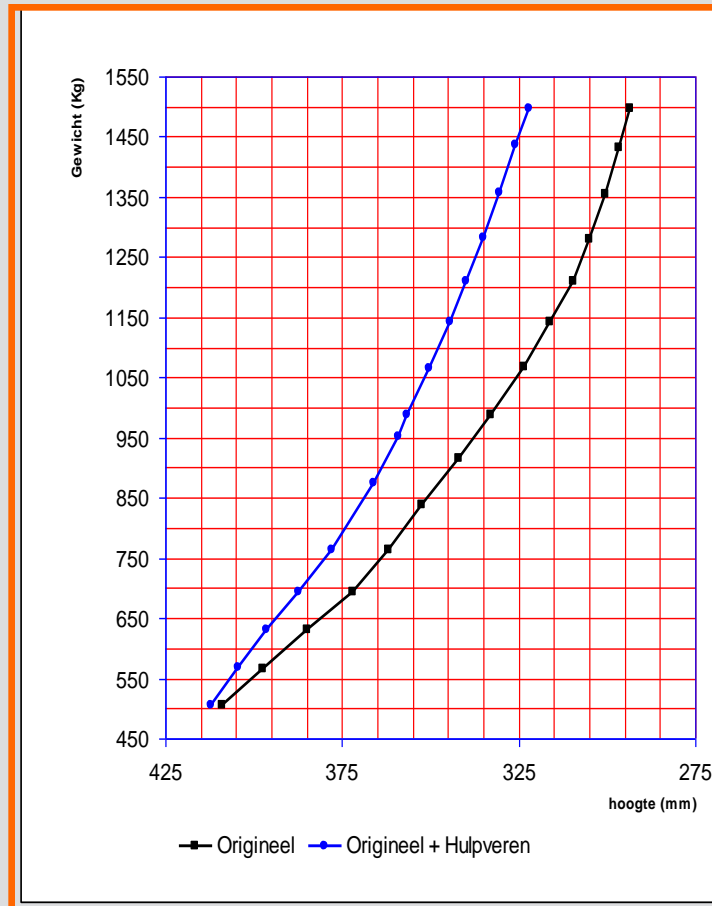


Why M.A.D Power Springs?

- Minimises Tail end sag
- Improved Stability - Comfort - Safety
- Lifetime warranty on Springs
- Actual delivery program
- MAD ISO9001 / 2008 certified
- Sets are TÜV approved
- Suspension Specialist since 1976
- Modern packaging
- Good price / Quality ratio



Progressive Suspension





mad®

Professional Use

- LCV's with variable load
- LCV 's that are always loaded such as service engineers, mobile workshops, construction workers, police vans and road assistance
- LCV's with Trailers
- Chassis Cabins and Motorhomes
- Vans with a tail lift or loading crane





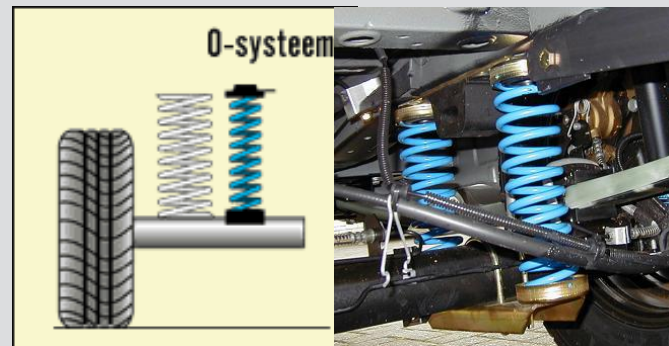
Target groups

A grid of eight blue circular icons with white symbols, arranged in two rows of four. The icons represent various vehicle types and fuel options: a truck with a crane, a motorhome, a truck, a semi-trailer, a van, a fuel option icon with 'LPG' and 'GPL' separated by a horizontal line, a truck, and a utility vehicle.

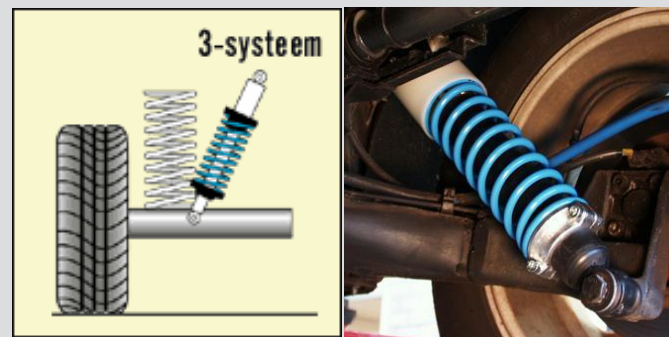


Available Systems

System 0, Next to the original Spring

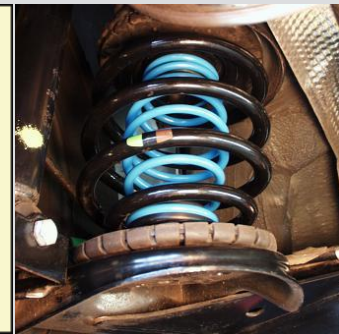
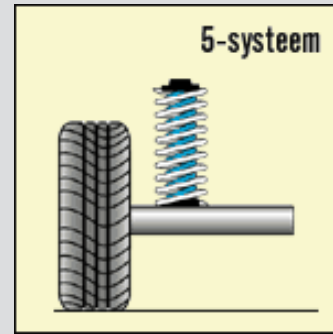


System 3, Spring on Original shockabsorber

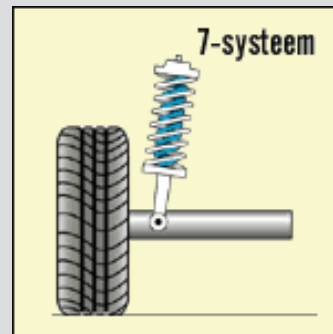




System 5, Spring in Mainspring

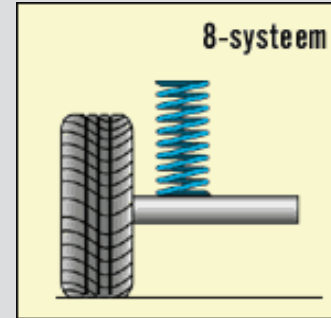


System 7, Spring in existing McPherson Strut





System 8, New Main Springs



System 1, Cross Country Springs

Combination of 4 new main springs or 2 main springs at the front and Powersprings on the rear axle

More ground clearance

Prevent bottoming

Progressive spring

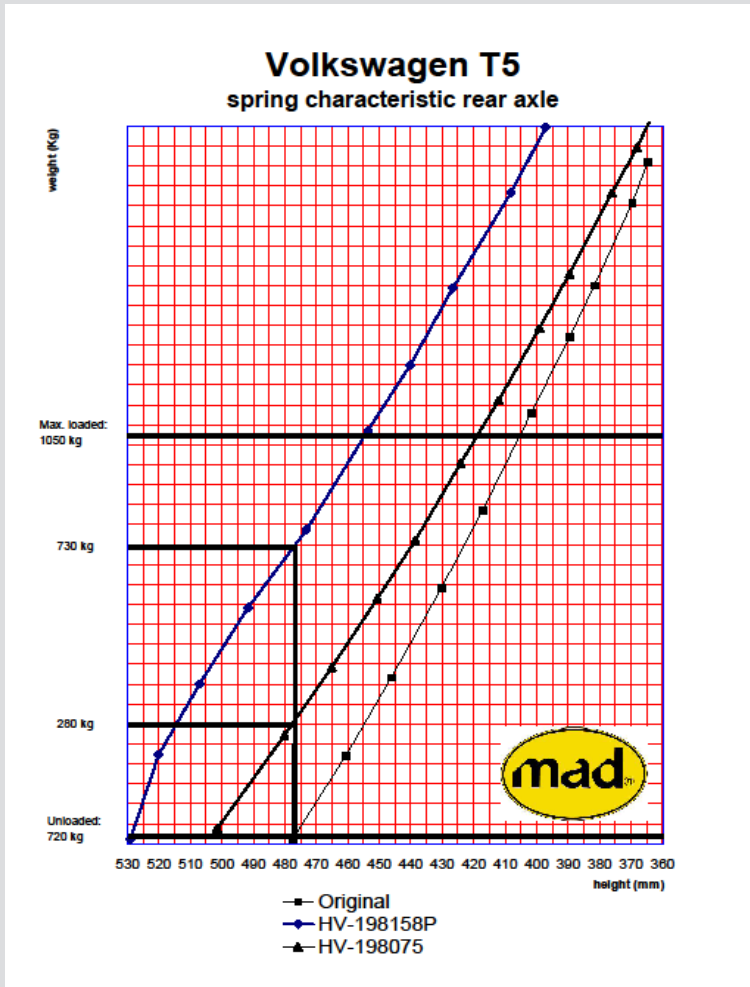
Better road handling on rough roads

Without replacing the original shock absorbers

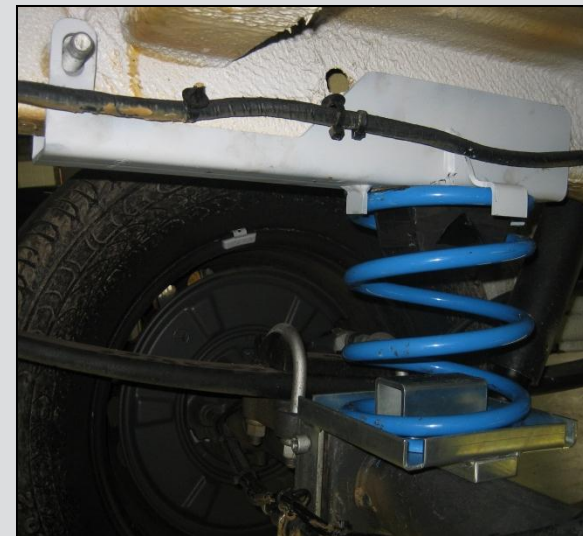
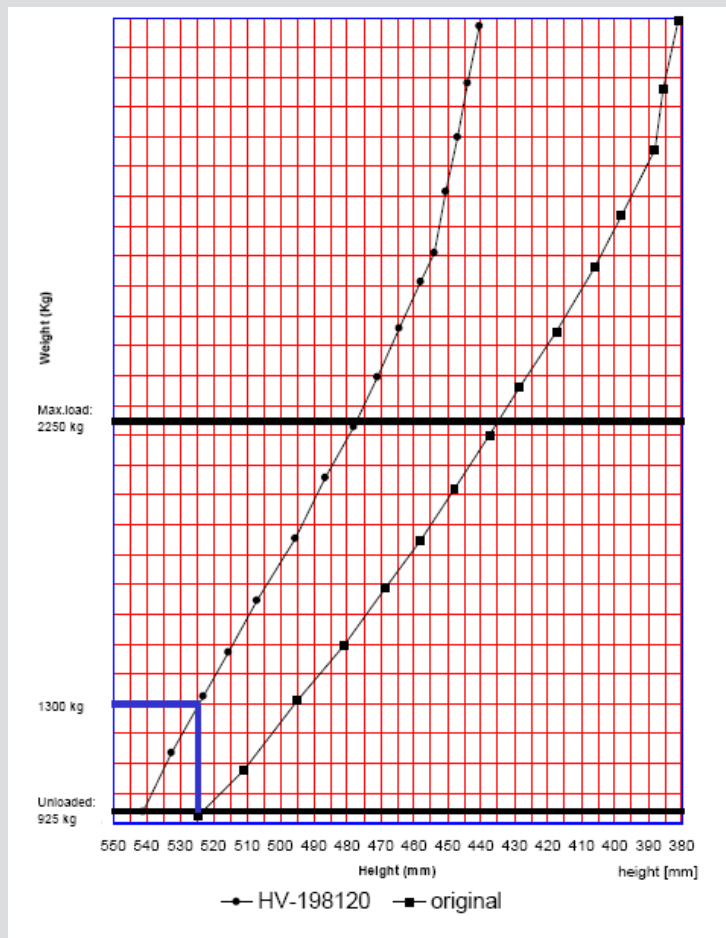




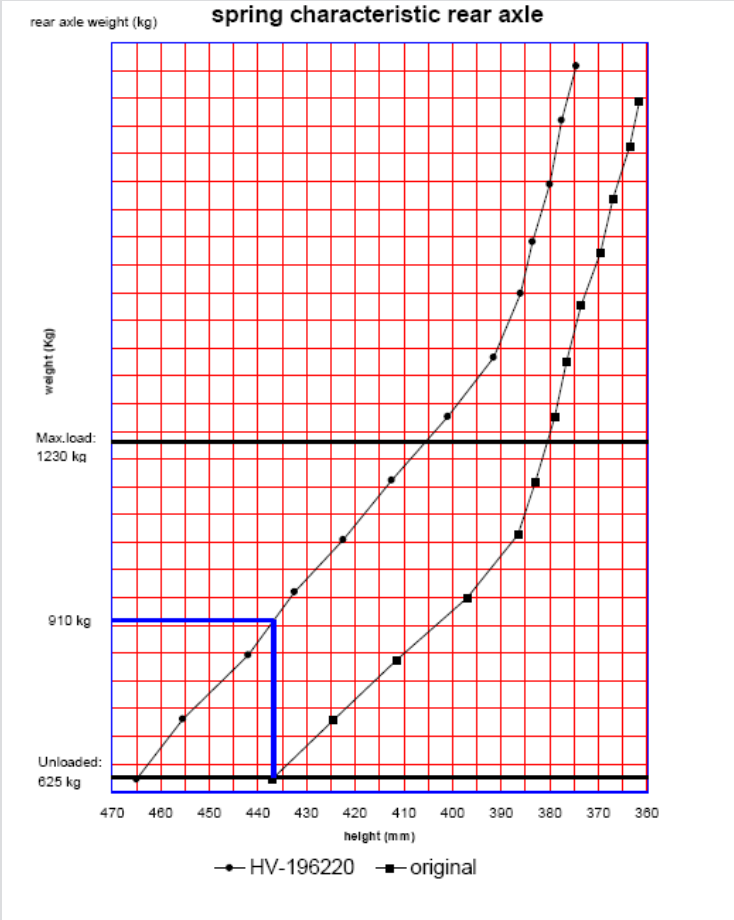
/ VW T5/T6 5-system



/ VW T 5/6 -system 8
system min. Load 600 KG



Mercedes Sprinter /
VW Crafter 0-system



VW Caddy 0-system



Air suspension systems

For Professional Use :
Light Commercial Vehicles till 5 Ton and Motorhomes.

MAD offers :

- Basic Air Suspension
- Complete Air Suspension with compressor and Control Unit
- Right Level System
- Full Airsuspension (for a selective group of vehicles)



MAD Basic-air



Including double or triple chamber airbellows and double filling valve



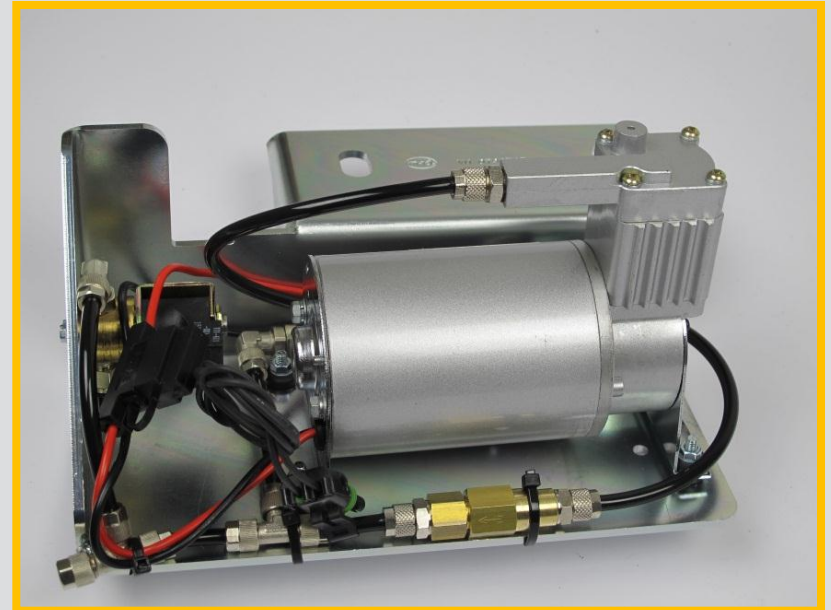
MAD Standard-air



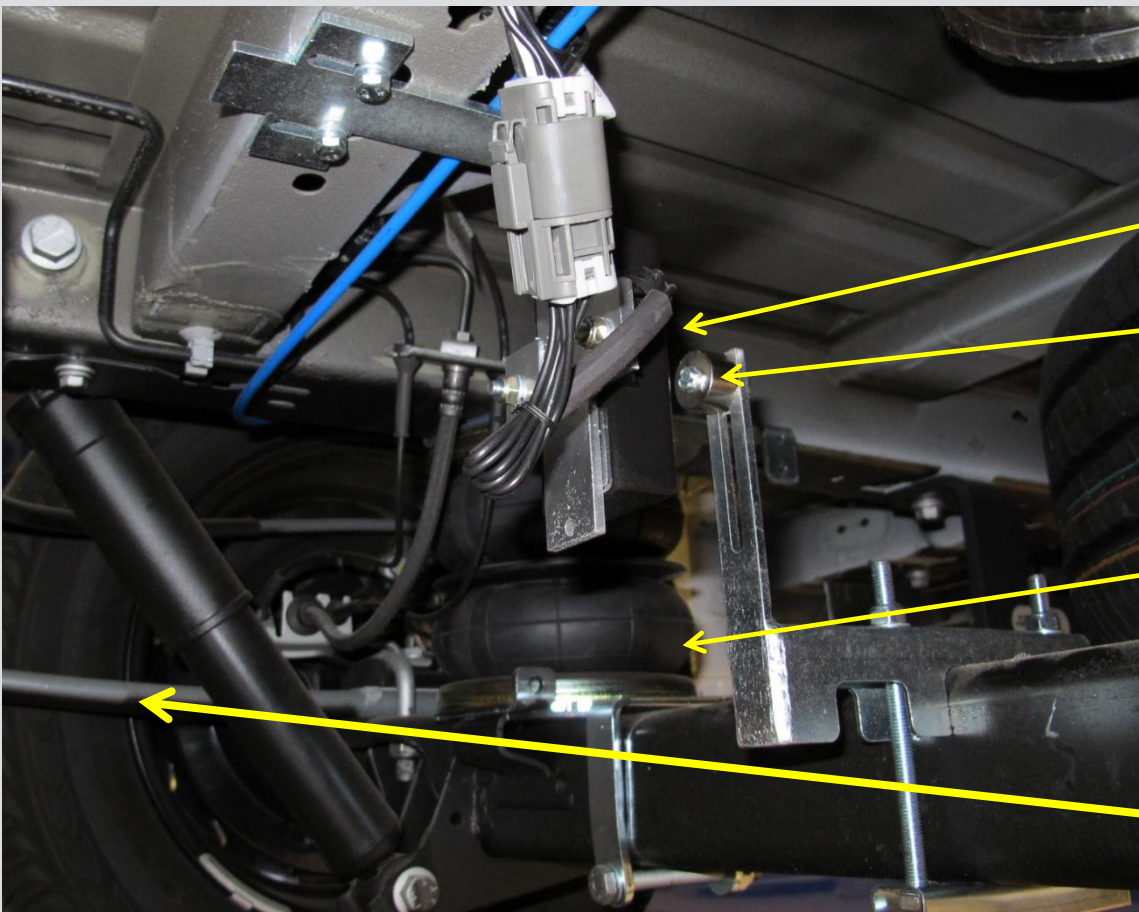
Including double or triple chamber airbellows HD compressor and dual gauge operating panel



MAD Smartair



Including HD pre mounted compressor unit ,safety valves, height sensor and cable loom



Height sensor

magnet

Air bellow

leafspring



MAD full air suspension



For the Vito 639 / W447 , Opel Vivaro / Renault Traffic, VW T5 / T6



Full air suspension including:

- Special HD sleeves (air bellow)
- Smart air system (automatic height levelling)
- Dump function possible
- 70 Ltr HD compressor unit 100% duty cycle at 100PSI
- Special water resistant cable loom
- Comfortable under all circumstances



In house Development

- 4 Product engineers
- 35 years experience in development
- Ongoing development for new released vehicles
- Fast response on customer request
- helpdesk available
- 90% own development
- Database with Spring specifications



Special Projects

- Development on customer demand and specifications for small series possible due to:



35 year experience

- The Specialist in Suspension systems
- Continuity
MAD is a Partner for now and in the Future
- Smaller production series on customer request are possible



Fullservice company

- Research Department
- Production on MAD specifications
- Logistic support
- Sales and After-Sales support



Logistic Support

- Weekly stock ordering
- Direct delivery to your customer
- Barcoding on all Suspension Kits
- Catalogue available on TecDoc format



Quality ISO and TÜV

- NEN-EN-ISO9001-2008
- TÜV Certification
- Development, production and assembly
of the Suspension Sets within small tollerances
- Trace-ability of the Suspension Sets
- >> Lifetime Warranty <<



Certificaat TUV 2014 DE.pdf



Quality Certificates

TUV NORD

CONFIRMATION

Management system as per
the German National and International Road Traffic Legislation

In accordance with TÜV NORD CERT procedures, it is hereby certified that:

M.A.D. Holding B.V.
Wiltonstraat 53
3905 KW Veenendaal
Netherlands

applies a management system in line with the above standard for the following scope:

Development and sale of vehicle springs for car and light commercial vehicle suspensions (05)*

Confirmation Registration No. 44 102 140629 Valid until 2017-05-19
Audit Report No. 3514 1142

[Signature]
Certification Body
TÜV NORD CERT GmbH Essen, 2014-05-20

We confirm that for the products listed above, the manufacturer meets all requirements of International (ECCE-directive), of European (EEC-regulations) and of German National road traffic legislation for the receipt of a type approval as is demanded by the Kraftfahr-Bundesamt (KfBA) (Federal Office for the regulation of motor vehicles). This confirmation also applies to the requirements of Attachment XIX SVZD for the issuing of component approvals.

TÜV NORD CERT GmbH Langemannstrasse 20 45141 Essen www.tuv-nord-cert.com

KBA
Bundesanstalt für Technische Überwachung
Benrather TD
KBA-ZM-A-22009-95

TÜV 2014 - 2017

Lloyd's Register
LRQA

CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

M.A.D. Holding B.V.
Wiltonstraat 53
3905 KW Veenendaal
The Netherlands

has been approved by Lloyd's Register Quality Assurance to the following Quality Management System Standard:

ISO 9001 : 2008

The Quality Management System is applicable to:

**Development and assembly of automotive products such as:
suspension systems, loading devices and precision
equipment for machining brake discs on the vehicle.**

Approval Certificate No. RQA928037	Original Approval	25 March 1994
	Current Certificate	1 April 2015
	Certificate Expiry	31 March 2018

[Signature]
Issued by: Lloyd's Register Nederland B.V.

LRQA
Lloyd's Register Quality Assurance

KBA - Bundesanstalt für Technische Überwachung
Benrather TD
KBA-ZM-A-22009-95

ISO 9001 : 2015 - 2018



Thank you for your attention



M.A.D. Holding BV
Wiltonstraat 53
3905 KW Veenendaal
info@mad-tooling.com
www.mad-tooling.com
www.mad-springs.com
Phone: +31 318 586100