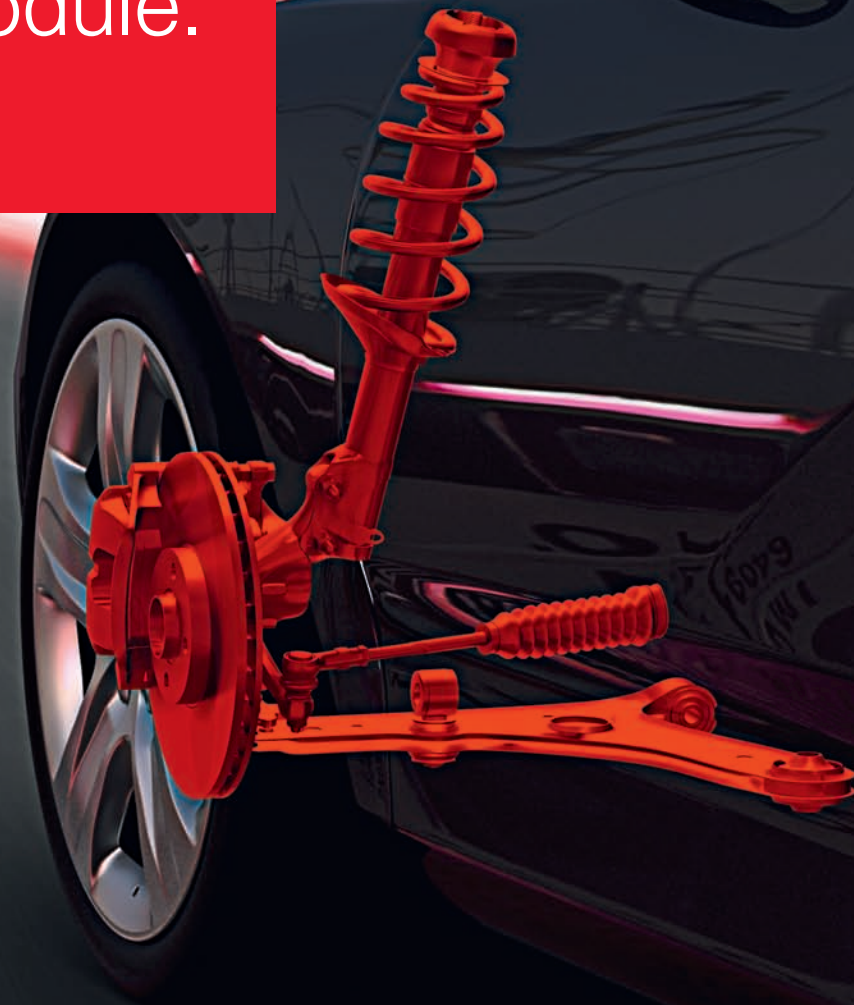


TRW – Safety

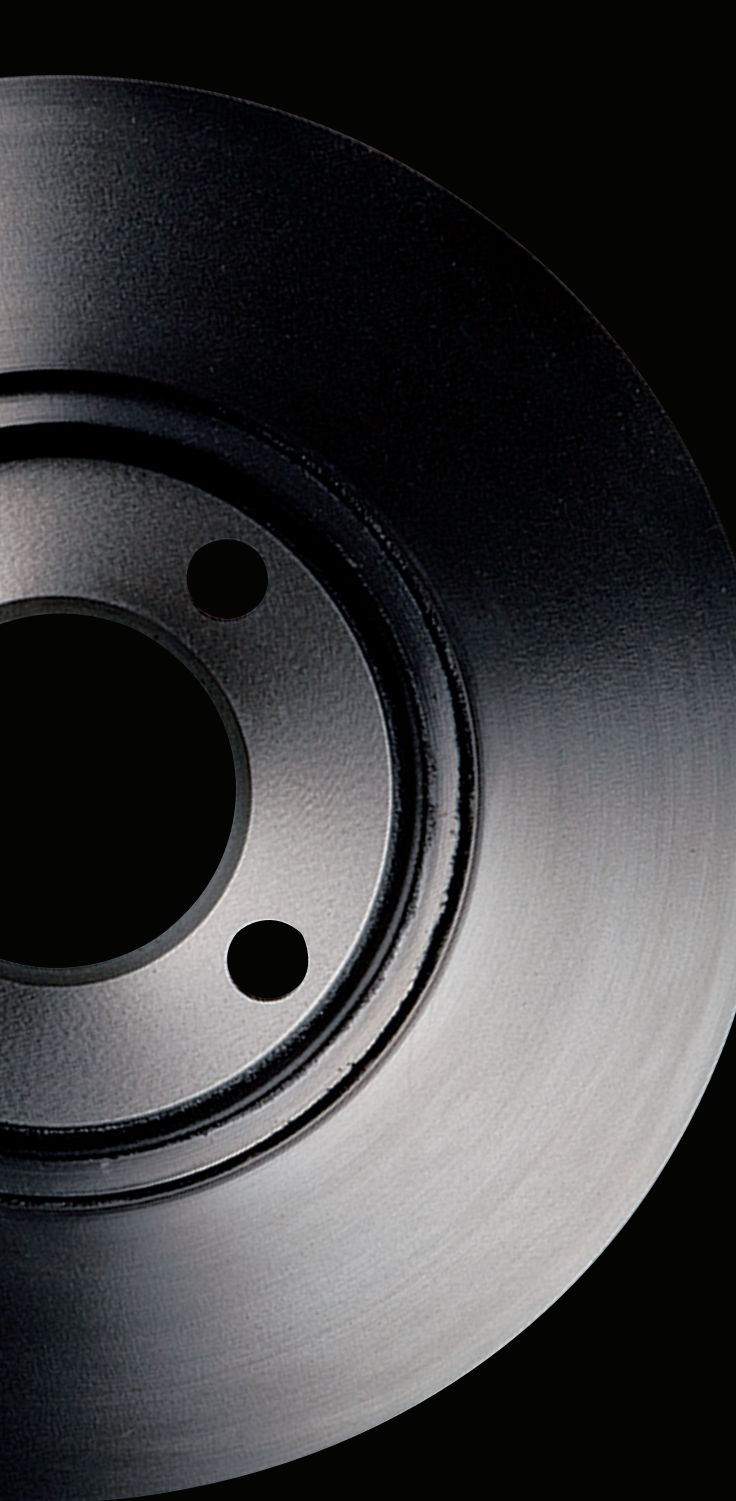


TRW. The Corner Module.



Contents

03	We are TRW	22	Pads
04	What we stand for	24	Rotors
05	What this means for you	26	Hydraulics
06	Our values in practice	28	Electronics
07	Our values as people	30	Remanufactured parts
08	What we do	33	HCV Proequip
10	What makes us premium?	34	Proequip brake pads
12	TRW. The Corner Module	35	Proequip steering and suspension
14	Our products	36	Proequip shock absorbers
16	Steering and suspension	38	Proequip steering gears
18	Shock absorbers	40	Motorcycle
20	Calipers	42	Conclusion



We are TRW

We are a major player in the aftermarket. We produce premium automotive parts.

But it's easily forgotten that parts are just a part of what we do. We also give you the things you really need. Outstanding technical expertise, training courses, marketing materials and service tools. This is what makes us unique. And this is why people want to work with us.

The Global Leader in Safety Systems

What we stand for

The
individual
way to
drive
business.

What this means for you

There are three things you can always expect from TRW. These are our core values:

Energy

Because we're innovative, driven and focused people. We are inventive and proactive within our markets.

Excellence

Because we put the same dedication into our customer relationships as we do into the design and manufacture of our products.

Empathy

Because we are in the same industry as our customers, we're in the right position to understand their individual needs.

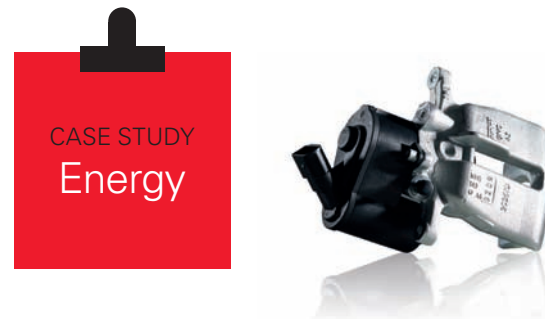
Our values in practice

We don't just talk about energy, excellence and empathy. These three core values drive everything we do.



In our effort to ensure all our parts are of a premium standard, we include accessory kits with every product. To make your life easy all product boxes contain every item needed for the installation of that part. This allows the installer to get on with the job quickly, saving time and therefore money.

Less hassle for the installer means they are more likely to request a TRW part next time round. Another benefit that distances us from the competition and shows a commitment to quality that benefits the installer.



In 2001, we were the first to introduce the EPB (Electric Park Brake). Not only does this part enhance brake performance and safety, it is also a perfect example of how our Original Equipment (OE) presence helps drive our technological innovation and expertise. It gives us an insight other manufacturers may not always have, and allows us to provide the right products, at the right time.

This forward-thinking attitude applies to everything we do, from producing parts to providing support to our customers.



With automotive technology more complex than ever, installers may be forced to turn away business because they lack the knowledge or tools required to service newer vehicles. Many installers find they need to make large, expensive investments.

In some markets, TRW has introduced a range of easycheck tools that hands control back to the installer, improving skill levels and keeping them in touch with the latest technological developments. This is just another example of our commitment to supporting our customer's needs.

Our values as people

Our values also drive our culture and our employees. Work with TRW and you will find people who are:

Conscientious

We are committed to delivering the very best product and service.

We pride ourselves on smart, efficient thinking.

Proactive

We are intuitive to customer demand.

We prefer to be ahead of the game.


We are inquisitive about customer needs.

Collaborative

We have a deep understanding of the business our customers are in.

We have a sense of camaraderie with our customers.

We are communicative and open with customers. We talk with honesty and pragmatism.

A low-angle, black and white photograph of a car's undercarriage. Two red shock absorbers are highlighted with a bright red glow. The car is positioned on a road, and a person's legs are visible in the background, suggesting motion. The overall mood is technical and dynamic.

What we do

You hopefully now have a greater understanding of the values upon which our business is built. Now it's time to take a look at the bigger picture.

TRW Aftermarket is a leading OE safety systems provider, supplying premium quality parts for the aftermarket. As a whole chassis provider, all TRW parts are designed and manufactured to work in perfect harmony, delivering the greatest possible performance, comfort and safety.

We work closely with distributors and wholesalers to deliver our parts all around the world, but with a level of support that gives us a local feel. By providing installers with comprehensive product and technical information we give them everything they need to get the job done quickly and efficiently.

This is why we have over 100 years of heritage as one of the world's leading original equipment and aftermarket manufacturers.

What makes us premium?

Products

Our rigorous testing processes, high standard of material and manufacturing technology lead to superior quality.

Our range is tested both in the lab and in the real world.

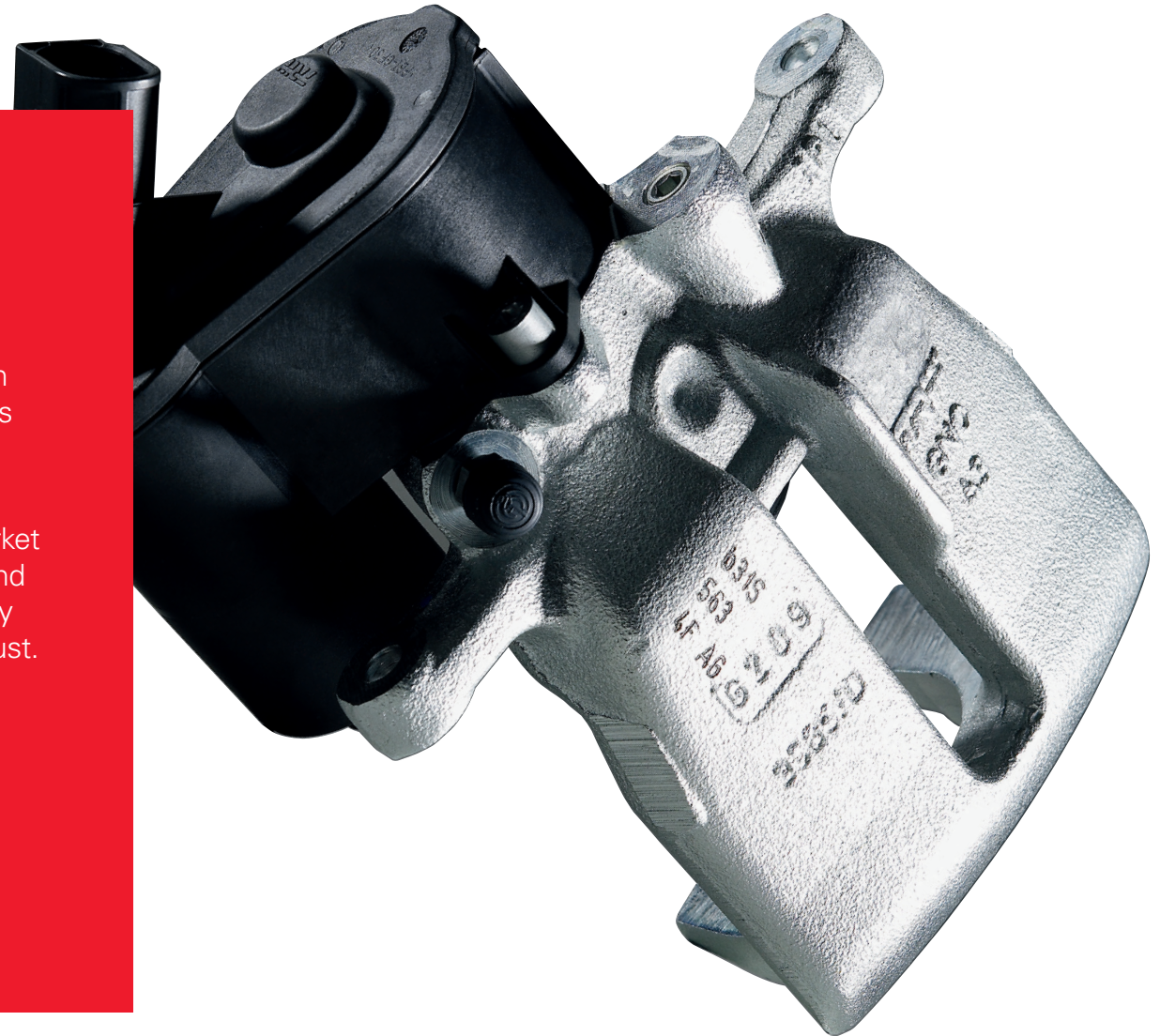
Our OE heritage gives us unique insight into product development and technical innovation.

We have a first to market policy – we provide the latest products to our customers at the right time.

Our all-makes range of products.

Our 4000-strong team of scientists, designers and engineers.

Our track record of providing the aftermarket with premium parts and tools for over a century – we are a name to trust.



Services

We keep in touch with our customers. For example, our monthly e-newsletter keeps our European customers up-to-date with the latest best practice and safety developments, which is being expanded to other markets

Our suite of installer training packages.

Our prompt and effective delivery service.

We listen to our customers' individual needs and respond to them.

We're situated across 200 sites in 28 countries, so our network is wide-reaching.

Our long and illustrious heritage within the automotive industry – we understand the pressures our customers face.

The TRW Corner Module

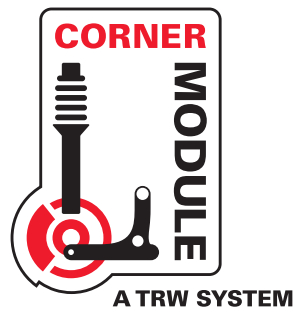
Safety, convenience and professionalism in one. As a partner of the automotive industry, TRW is a leading developer and manufacturer of safety-related vehicle parts.

The TRW Corner Module range includes:

Braking

Steering

Suspension



The TRW Corner Module

All of the parts in the Corner Module system are optimally aligned and work perfectly with their OE counterparts.

The key advantages that the TRW Corner Module system are: a simplified search and order process, straightforward warranty claims, optimum logistics, commercial benefits, and a one stop shop for training and marketing support.

- TRW is a pioneer in introducing technology to the market, from the first disc brakes in 1952, the Collete caliper in 1975, to the Electric Park Brake in 2001.
- TRW offers the largest selection of Electrically Assisted Steering (EAS) technologies in the world, and was first-to-market with Electrically Powered Hydraulic Steering systems for Europe.
- TRW acquired ArvinMeritor's European shock absorber business and made a further investment of one million Euros to complete its Corner Module offer.



Our products

There are ten key areas in which we work. You can take a closer look at each of these business areas over the following pages.



Steering and suspension



Shock absorbers



Calipers



Pads



Rotors



Hydraulics



Electronics



Remanufactured parts

Our Products



Proequip brake pads



Proequip steering and suspension



Motorcycle brake pads



Motorcycle brake discs



Proequip shock absorbers



Proequip steering gears



Motorcycle clutch parts



Motorcycle accessories



Steering and suspension

TRW is at the forefront of the design, development and manufacture of steering and suspension systems. Our precision engineering means all parts of the system work perfectly together to improve fuel economy, while reducing emissions. TRW is your one stop shop.

Always pushing the boundaries through innovation, TRW offers a comprehensive range of parts from traditional manual steering systems to the latest hybrid electric systems. Committed to reducing the resources we use, all our manufacturing sites are environmentally accredited DIN/ISO 16949: 2002 and DIN EN ISO 14001.

And with a direct research and development relationship with the world's automotive manufacturers, you can always be sure of getting the latest parts from TRW.

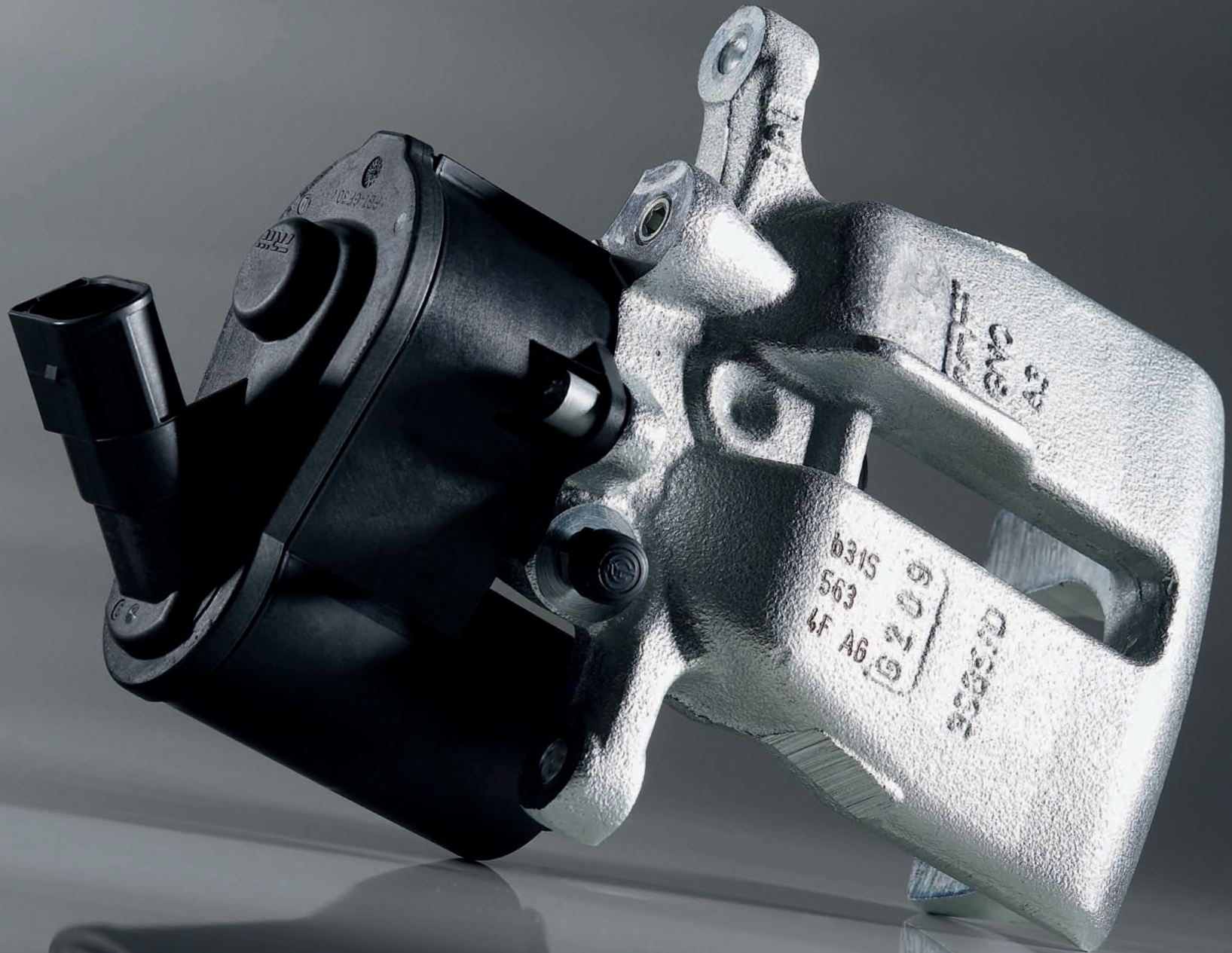
Shock absorbers

Shock absorbers have to be tough. That's why we put our shock absorbers through extensive testing that meets strict OE standards. TRW's commitment to safety means that our comprehensive range of tests includes high and low velocity tests, endurance testing and dynamic on-road testing to ensure consistent high performance over a long period.

As shock absorbers should always be changed in pairs, all TRW shocks are packaged in pairs to make life easier and safer.

With MacPherson struts, strut inserts, conventional shocks, shocks with spring seats, heavy duty, load compensating shocks and steering dampers, we've got everything you need in one place. And with all fitting instructions and mounting accessories included, you've also got everything you need in one box.





Calipers

TRW knows a thing or two about calipers. We designed the Collette caliper, the most popular caliper in the world. Committed to being the first to market with new parts, our OE credentials allow us to bring new calipers straight to the aftermarket from our OE factory.

Using OE processes, materials and innovations, TRW calipers offer the strongest quality and the greatest performance.

With remanufacturing on the increase, we're pleased to be leading the way in this effort to provide top quality products that are both cost-effective and more environmentally friendly. With a wide range of remanufactured calipers that are put through our OE testing process, you can be sure that TRW remanufactured calipers provide the greatest performance, comfort and safety.

And with all calipers coming with the fitting instructions and accessories you need to get the job done, TRW really is the complete package.

In a nutshell:

- Fitting instructions and accessories included as standard
- Pre-filled rear calipers
- Latest cutting edge technology such as our first to market EPB calipers

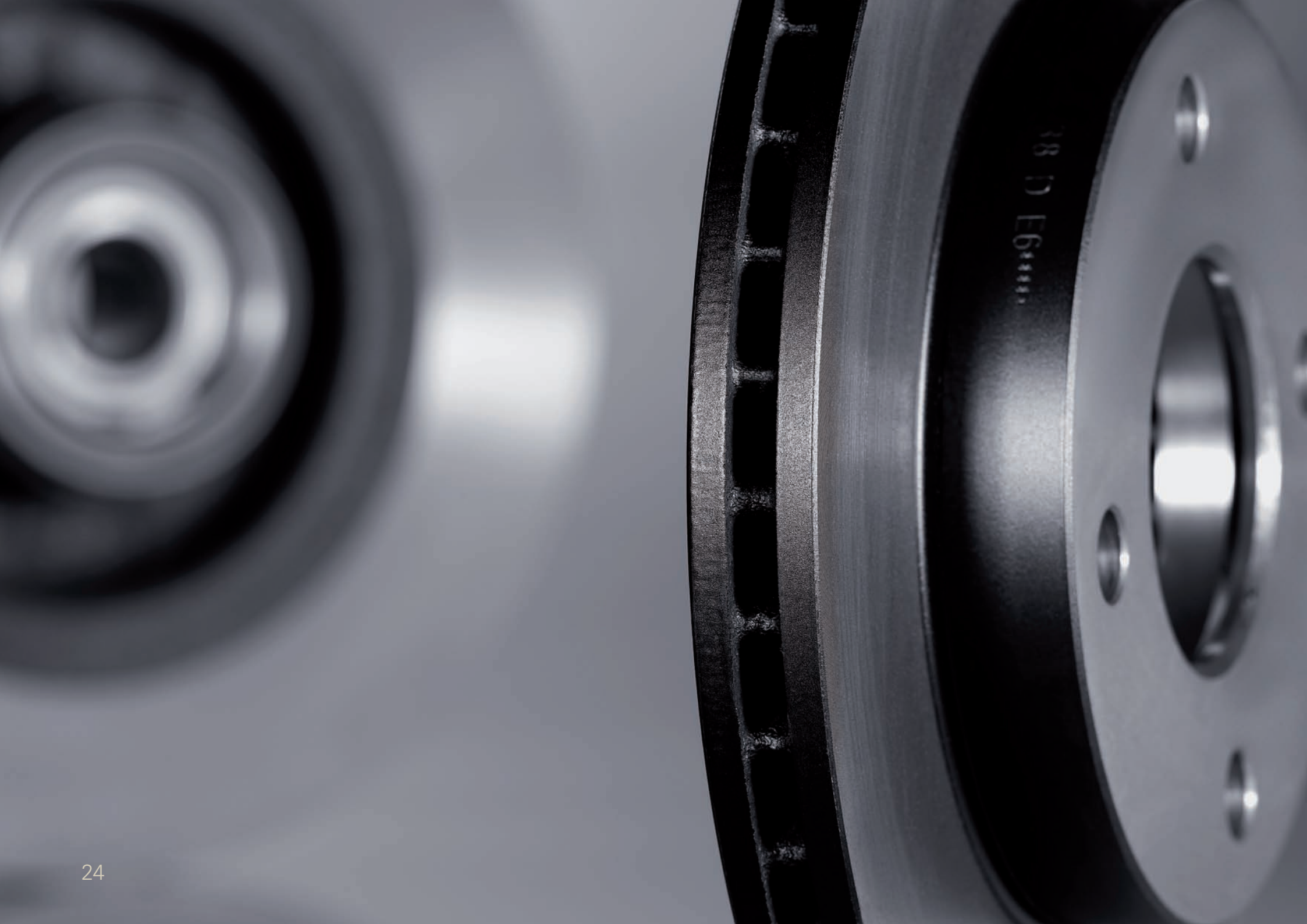
Pads

TRW is the braking expert. TRW designs and manufactures the entire brake system in conjunction with all of the world's leading vehicle manufacturers. From discs to calipers, pads to shoes, TRW has proven to be the leader among system providers, no matter how demanding the vehicle manufacturer's requirements. Produced in-house and with our trusted partners, TRW has complete control over the entire manufacturing process to ensure that all parts meet our exacting standards. Our relationship with the Vehicle Manufacturers means that technology developed for them is directly accessible for you.

In the aftermarket, as in OE, we know that the customer matters. That's why in every TRW box, there's more than just the parts you need – there's also our unique knowledge and expertise.

- 95% US vehicle parc coverage, so no need to look around, TRW is your preferred partner
- Typically more than 100 references introduced per year
- 100% TRW controlled production
- Accessory kits and grease included giving you all you need to perform a safe and quick repair





Rotors

We're committed to our OE quality philosophy, paying special attention to this product line, an area where some manufacturers sacrifice on quality. We know this can lead to an unacceptable fall in both comfort and performance.

To meet our firm commitment we have put in place tough controls at our manufacturing facilities, from the foundry right through to machining. For the casting and machining we work to the tightest GG20 and GG15 tolerances, with a high carbon content to distribute heat evenly across the disc to eliminate judder. The coating we use comes direct from our OES technology and knowledge, for outstanding performance.

We have everything you need to get the job done:

- Fixing screws put everything at your fingertips
- Buying TRW means you get the best, straight from the OE manufacturer

Hydraulics

Think hydraulics, think TRW. As one of the world's leading brake hydraulic manufacturers, TRW is increasingly supplying brake hydraulic cylinders in lightweight aluminum bodies, reducing the weight added to the vehicle while retaining performance and guaranteeing a long life.

All TRW brake cylinders are 100% line tested to ensure that they conform to TRW's stringent OE standards. Motorists need to know that the safety parts they can't see in their cars work every time.





Electronics

TRW, the global leader in safety systems, is a supplier of Tire Pressure Monitoring Systems and Sensors to many of the world's leading vehicle manufacturers. TRW now brings its sensor expertise to the aftermarket with a consolidated offering that fits many of the registered vehicles in North America. Our aftermarket designs are engineered to deliver the same high level of safety, accuracy, function and fit as those we produce for our OE customers.

Remanufactured parts

Remanufactured parts are good for the environment using fewer resources, while maintaining the highest standards of performance. Remanufactured parts can offer a substantial saving, making them great news for your business.

We currently offer a range of remanufactured steering racks, pumps and calipers. All TRW remanufactured parts are rigorously tested, with a real emphasis placed on the quality of the core.

The benefits of remanufacturing:

- Protection of natural resources and the environment
- Energy and raw material savings
- Complete remanufacturing quality is comparable to new
- Best solution amongst repaired and used parts
- Same warranty as the new part
- Provides a long term supply solution





HCV – Proequip

Re-launched under the TRW Proequip brand in 2008, TRW's heavy commercial vehicle program consists of brake pads, shock absorbers, steering gears and steering and suspension.

All programs are manufactured or remanufactured to TRW's own stringent OE quality and undergo exhaustive testing to produce parts that provide the highest levels of durability, safety and performance. Each product is packaged in tough, heavy-duty packaging to cope with the weight. Each program is also fully supported by excellent technical back-up and comprehensive marketing materials. TRW Proequip truly has all angles covered.



Proequip brake pads

TRW Proequip brake pads are made from the finest friction material available. We know this because we have devoted years to perfecting the exact finest mix. And, of course, we make it in-house.

- Heavy metal free, our pads exceed the high expectations for commercial vehicles
- In fading tests our friction material performs significantly higher than the OES standard
- The innovative TRW back plate, with its distinctive pin design, is engineered and improved beyond OE specification



Proequip steering and suspension

TRW Automotive has been in the OE commercial steering business since 1906. This heritage and experience translates directly into our growing aftermarket range of heavy duty parts.

Steering

- Drag links
- Tie rod ends – including XCAP, our innovative smaller, stronger and more durable part for enhanced performance. This new design of tie rod end was launched recently to critical acclaim

Suspension

- Radius rods
- V links
- Stabilizer links

All products are put through a grueling testing schedule, strictly controlled by the most up-to-date software and conforming to the most stringent standards.





Proequip shock absorbers

Worn shock absorbers not only increase fuel consumption and increase wear on tires, they are dangerous and can cause accidents.

We believe passionately that shock absorbers are a safety critical part and as such should always be changed across the axle. Every TRW Proequip shock absorber comes complete with fitting instructions and accessories where necessary. We don't take any chances with safety and we don't want you to either.

We have full in-house production and assembly of all of the major components for complete control. Combined with testing undertaken in the harshest of conditions, from the dirt tracks in North Africa to the extreme cold of Northern Europe, these are parts you can trust.

Proequip steering gears

The steering gear is a vital component in the chassis corner module. Worn or damaged gears can leak fluid, affecting the performance and reliability of a vehicle's power steering system. We knew our customers needed to have access to an OE quality part in the aftermarket and so we delivered.

Following a stringent returns process, TRW Proequip steering gears are remanufactured and tested using TRW's own OE components, offering superior performance, reliability and safety.



Motorcycles

Motorcycle dealers and their customers appreciate TRW for more than 30 years! The company is synonymous with top quality, maximum safety and an immense range of products for motorbikes, scooters and quads. Brakes, clutches, handlebars, rearsets and custom parts – we offer one of the most diverse range of products in the market. TRW brake pads with their various tried and tested friction materials are available for more than 3000 motorcycle models! TRW quality parts are sold exclusively through authorised motorcycle dealers. TRW sells motorcycle parts in 29 countries, where experienced wholesale partners provide motorcycle dealers with the complete range of products.

- The vast majority of TRW's product range comes complete with TÜV certification.
- The comprehensive range is being continuously expanded according to the current models.
- TRW / Lucas is one of the most trusted brands/trademarks in the motorcycle industry (Motorrad Magazine 2011)
- All motorcycle products are tested in accordance with the latest worldwide standards for the automotive industry.



What we've established so far...

We are a large, innovative and forward-thinking company, but we focus on our customers' individual needs. We always deliver, whether through quality of part or service and support. We are not just a huge faceless corporate giant. We are a company that our customers can rely on and enjoy working with.

Now it's
time for
you to be
part of it.

