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## THE R-CLASS SPORTS TOURERS



Mercedes-Benz

Spark and gas, Romeo and Juliet, yin and yang, Lennon and McCartney – time and again, a meeting of worlds can have big results.

At Mercedes-Benz too, different worlds have come together – and created a whole new genre of vehicle: the new R-Class.

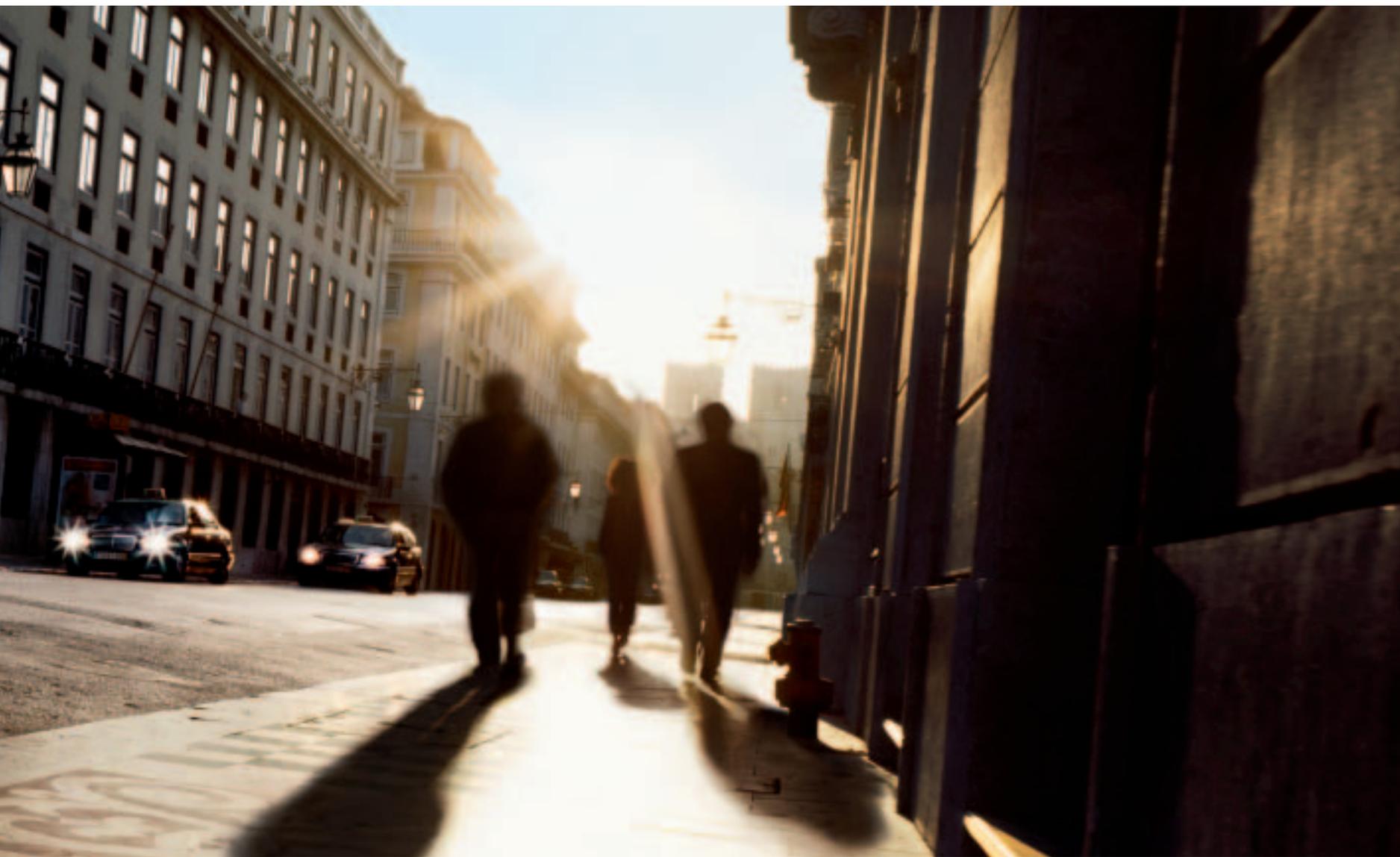
The R-Class's exciting styling combines dynamism with luxurious size. We have created it for all those who want to combine mobility with comfort. For enjoyment-seekers who want to share their enjoyment with others.

The new R-Class – the world of unexplored possibilities starts here.

# The new R-Class. The start of something big

DYNAMISM	
Engines	04
Transmission	06
Powertrain and suspension	08
<hr/>	
COMFORT	
Interior space concept	10
Cockpit	12
Rear	14
Adaptability	16
<hr/>	
SAFETY	
PRO-SAFE™	18
<hr/>	
EQUIPMENT	
Standard equipment	22
Optional extras	23
Equipment packages	24
Comfort in the rear	26
Light-alloy wheels	27
<hr/>	
COLOURS AND MATERIALS	
Paintwork	28
Fabric and leather	30
Wood and metal trim	31
<hr/>	
ENGINEERING	
Dimensions	32
Technical data	33





## Diesel or petrol?

A tough choice between two V6 units: 165 kW/510 Nm or 200 kW/350 Nm

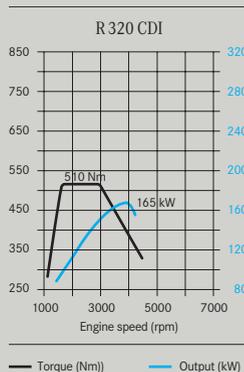
The R 320 CDI's V6 CDI diesel unit (165 kW/224 hp), developing 510 Newton metres, is the torquiest of the three R-Class engines, due to further improved common-rail injection – multiple injection via piezoelectric injectors – and VNT turbocharging. An abundance of power is combined with low fuel consumption and low emissions. The CDI engine is equipped as standard with a diesel particulate filter. Unlike conventional filters this is an additive-free system, which contributes to long service life and low carbon dioxide emissions.

The filter removes up to 95 % of the particulate matter contained in the exhaust emissions, allowing the R 320 CDI to fall well within the EU4 emissions limits.

The R 350 meanwhile demonstrates that understatement can pack a big punch. The four-valve V6 engine with continuously variable camshaft timing is one of the most powerful engines in its class. With a rated output of 200 kW (272 hp) this petrol model offers excellent mid-range power and acceleration and is relaxed in top-gear cruising. It's also economical on fuel.

### R 320 CDI

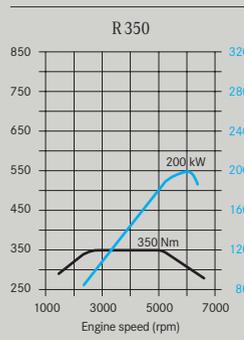
Quick climb to a high plateau: the V6 CDI diesel engine delivers an impressive peak torque of 510 Nm, available from just 1600 rpm



### R 350

### R 350

Magic in numbers: the impressive peak torque of 350 Nm is on tap from 2400 up to 5000 rpm



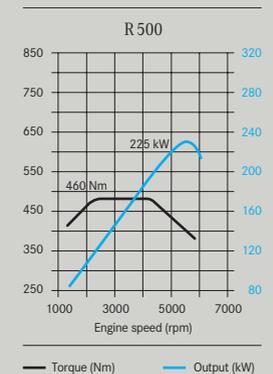
## Power or refinement?

How about both? The R 500

The R 500 has all the virtues you'd expect of a Grand Sports Tourer: concentrated power, smoothness and maximum refinement. The explanation lies in an engine whose three valves per cylinder create room for two spark plugs with staggered firing controlled by engine load and driving style. This results in more efficient fuel utilisation and thus improved fuel consumption and exhaust emissions. Maximum power of this V8 petrol engine is rated at 225 kW/306 hp and maximum torque at 460 Nm. Zero to 100 km/h is accomplished in 7.0 seconds. And to make sure you enjoy all this power as effortlessly as possible, the R 500 is equipped as standard with the 7G-TRONIC automatic transmission.

### R 500

The V8 develops its maximum torque over a wide speed range from 2700 to 4750 rpm



## 7G-TRONIC: small steps that add up to a seismic “shift”

Seven transmission ratios, closer spacing:  
the 7-speed automatic is a revolution in transmission design

7G-TRONIC represents a major step forward in transmission design, taking shifting comfort to a whole new level. Seven forward speeds offer all the benefits of close-ratio configuration: for example gear changes are almost imperceptible. The multiple downshift function allows the transmission to change down several gears at a time, resulting in faster gearshifts, while the torque converter lockup clutch and integrated transmission control improve fuel economy and acceleration.

The DIRECT SELECT steering-column selector lever frees up space on the centre console and allows you to select the P, R, N and D positions without taking your hands off the steering wheel. The currently activated transmission mode – “S” for Sport and “C” for Comfort – is shown in the instrument cluster. You’re free, too, to take matters into your own hands – with steering-wheel gearshift buttons as standard.

### DIRECT SELECT

Simply press the steering-column selector lever to select the transmission program



## 7G-TRONIC

The culmination of 40 years' experience building over eleven million automatic transmissions



## The R-Class has so much power, no wonder it's happy to share it

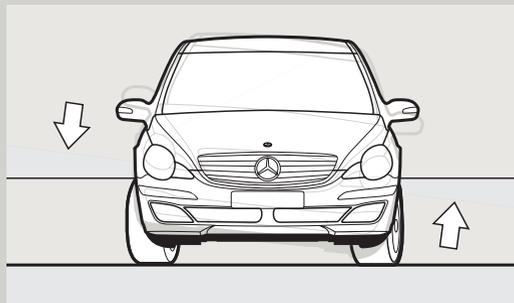
All-wheel drive and AIRMATIC package: for a comfortable ride on all roads

The R-Class is not called a Grand Sports Tourer for nothing, as you'll notice from your very first drive. Permanent all-wheel drive, advanced axle design, rear air suspension, a long wheelbase and a range of vehicle dynamics systems all make for an exceedingly comfortable ride.

The front wheels are located by a double-wishbone suspension for enhanced ride quality and handling, while the rear wheels have a sophisticated four-link configuration. Air suspension is standard at the rear and optional at the front.

Front air suspension, available as part of the AIRMATIC package, raises ride comfort a further notch. By means of its integral Adaptive Damping System (ADS), which adds or releases air from the rubber bellows inside the struts, AIRMATIC maintains this high standard even when the vehicle is fully laden. At speeds over 120 km/h, the vehicle is automatically lowered, thereby reducing drag and fuel consumption. To increase ground clearance, for example on poor roads, the AIRMATIC package also allows the vehicle level to be raised, at the press of a button, by up to 50 mm.

Unsurfaced roads are never a problem in the R-Class – in fact with the permanent all-wheel drive you'll hardly notice them. All-wheel drive works in close tandem with the Electronic Stability Program ESP®, which provides assistance whenever the wheels are on the point of losing grip. It splits the drive equally in a ratio of 50%:50% between the front and rear wheels.



### AIRMATIC package

The air suspension is combined with the Adaptive Damping System (ADS), which adjusts the damping forces to reduce pitch and roll







## Transforming the image of group travel – the Grand Sports Tourer

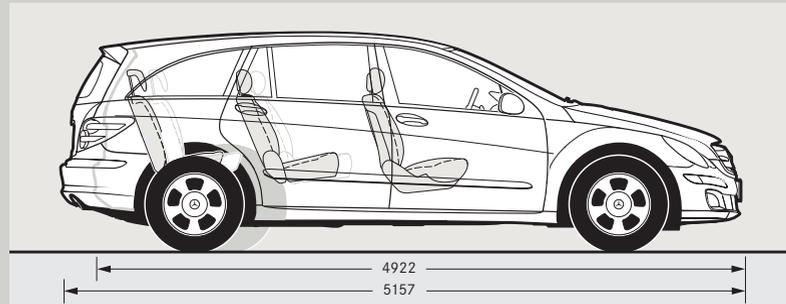
Unrivalled space for six people

Underlying the Grand Sports Tourer's spacious interior is a new design concept. Unlike conventional saloons with a three-box layout (engine compartment/interior/boot), the R-Class is based on a two-box design concept (engine compartment/interior). As a result, the interior occupies 64% of the total length of 4.922 metres, giving the R-Class far more space than many conventional saloons. Plus all six occupants can enjoy a window seat. And the fact that you sit higher than in a conventional saloon also gives you excellent all-round vision.

Anyone still not satisfied can always opt for the long-bodied version, which measures 5.157 metres from nose to tail. This version provides even more comfort for passengers in the third row of seats.

With the optionally available panoramic glass roof, which occupies almost the entire roof area and is thus considerably larger than a conventional sliding roof, the airy and spacious feel can be taken even further. The panoramic glass roof makes the interior lighter and brighter and creates a superb open-air feel.

One concept,  
two body lengths  
Whether you opt for the  
4.922 or the 5.157-mm  
version, the R-Class offers  
you virtually unlimited  
possibilities





## The R-Class, your dream home on wheels

Elegant design, high-grade materials, easy operation:  
Comfort and convenience at your fingertips

If you're looking for some impressive architecture, then you don't need to go far – just take a seat inside the R-Class. You'll find that our interior design team has created an intriguing combination of convex and concave shapes, of light and dark-coloured tones and of angular and rounded forms. Throughout, a constant alternation between taut lines and more relaxed lines fills the interior with energy and life. In the cockpit, the designers sought to convey the idea of a horizontal "muscle" running through the convex surfaces of the dashboard, doors and transmission tunnel. That helps to explain why the R-Class creates a powerful impression both inside and out.

From the driver's seat you preside over a lavish and spacious interior. Both front seats are "executive chairs" with partial power ad-

justment. The driver's seat incorporates a lumbar support as standard and can be equipped with an optional memory package for the seat, exterior mirrors and steering column.

The tubular-design instrument cluster with white lighting is easy to read and sporty in appearance. On all models the instruments are chrome-trimmed (illustrated together with the optional styling package with alpaca grey leather upholstery).

The multifunction display, the radio, the telephone and the 7G-TRONIC can all be controlled from the steering wheel, while the centre console houses the controls for the standard-fitted THERMATIC automatic climate control, the Audio 20 radio with CD player and the optional COMAND APS control and display system.



Convex meets concave  
The two angled instruments  
explore typical R-Class  
design themes. And prevent  
reflections

## At one time travel was the ultimate luxury. Now those days are back

Single seats, a DVD player and a separate centre console provide first-class travel for rear-seat passengers too

Don't be surprised if your passengers start arguing about who's going to sit in the back. Because in the R-Class the second-row seats provide first-rate luxury. Like the driver's and front passenger's seats, these ones too are "executive chairs". Both provide generous leg and headroom and are equipped as standard with armrests.

Optionally, the inboard armrests can be dispensed with to make way for a rear centre console. This console incorporates two cup holders and numerous extra stowage compartments, for example for the CD/DVD player which forms part of the optional rear-seat entertainment system, along with seven-inch screens integrated in the backs of the front head restraints.

The rear end of the centre console features a further two slide-out cup holders and 12V sockets. If the optional multi-zone THERMOTRONIC air conditioning is specified, it also accommodates the separate controls for the rear air conditioning and, as an additional option, air outlets in the rear sidewall panelling, which allow the third-row passengers too to enjoy the benefits of a precision-controlled climate.

To maintain the desired temperature levels in this spacious interior, THERMOTRONIC uses 13 sensors distributed throughout the vehicle.

The EASY ENTRY function provides convenient access to the third row of seats. Sit here and the size of the R-Class is particularly striking. The front-seat passengers seem so far away

you almost feel like ringing them up on your mobile phone.



4+2 seats

Third-row passengers too are pampered by comfortable single seats



## Excellent location, light and spacious, total floor area: 2.217 x 1.246 metres

The spaciousness and adaptability of the R-Class

No, there's no need to worry that your Grand Sports Tourer will be classed as a second home. But with a loading length of 1.928 m (2.217 m in the long version) and a width of 1.246 m, the R-Class is still the most spacious car we've ever built. Just fold up the third-row seat cushions and you already have room for six suitcases. The optional EASY-PACK tailgate makes loading and unloading even easier. It opens and closes electrohydraulically and can be operated by means of the remote control or a button on the tailgate.

### Flat loading surface

The seats can be folded down to create a flat loading surface. A high-quality velour textile lining ensures that everything – from surfboards to golfbags – is transported with the respect it deserves





Whatever the job, the R-Class will always muck in. It just can't resist making itself useful. With single seats throughout, rearranging the interior is only a moment's work. Even with six people on board, the luggage compartment can still swallow four bottle crates or two large golfbags. When only the first and second seat rows are occupied, maximum load capacity is increased to 888 litres

(1067 litres in the long version). With only two seats in use, this rises still further, to 1950 litres (cargo loaded to ceiling), or 2385 litres in the long version. With just a few quick and easy adjustments, the 2<sup>nd</sup> and 3<sup>rd</sup>-row seat cushions and backrests can be folded forward to create a flat loading surface.

**Seating configurations**  
From 6-seater to 2-seater  
in a matter of moments.  
Folding down the rear backrests  
gives a loading length  
up to the backrests of the  
front seats of 1982 mm  
(2217 mm  
in the long version)



# For the past 60 years we've been shaping the future of safety

PRO-SAFE™ – the Mercedes-Benz safety philosophy

It all started with a hidden revolution 46 years ago. When Mercedes-Benz presented the first production car with passive safety features, the innovations on board – crumple zones and the safety passenger cell – were invisible to the observer.

Since then, Mercedes-Benz has pioneered a long line of new safety technologies. In 1978, ABS made its breakthrough in the S-Class, and just three years later this was followed up by the world's first car with an airbag and belt tensioners. Many more systems have been added to the list down the years, among them ESP® and PRE-SAFE®.

In all of this, the ultimate goal of Mercedes-Benz is to achieve its vision of accident-free driving. And although this is still some way off, with PRO-SAFE™ the vision has moved a further step closer towards reality.

Rather than drawing a distinction between active and passive safety, PRO-SAFE™ combines both types of safety system into a forward-looking integrated Mercedes-Benz safety philosophy.

Mercedes-Benz takes a complete A to Z approach to safety, rather than focusing simply on the more obvious features like ABS and ESP®.

It all starts with a wide range of comfort and convenience features designed to contribute to relaxed, stress-free driving. These are supplemented by assistance systems which monitor the driving situation at all times, detecting and warning of impending dangers and if necessary intervening. These systems are also able to ascertain when an accident is unavoidable. In this case they use the crucial remaining milliseconds to take precautionary measures to reduce the risk of occupant injury. And PRO-SAFE™ continues to provide protection even after the accident, for example by reducing the likelihood of follow-on accidents.

All this goes to show that safety at Mercedes-Benz is an integrated system in which all parts mesh together. This is the principle at the heart of the PRO-SAFE™ concept.

#### PRO-SAFE™

PRO-SAFE™ is the keystone of the Mercedes-Benz safety philosophy. It stands for the commitment of the Mercedes-Benz brand to providing maximum safety for all road users. This commitment is rooted in many years of safety research based on simulations, tests and real-world accident analysis. It is also reflected in the pioneering spirit behind our development work at Mercedes-Benz, work that has repeatedly revolutionised the world of safety technology with milestones such as all-electronic ABS or airbags plus belt tensioners.

#### PERFORM-SAFE

PERFORM-SAFE comprises all features which contribute to safe driving. Amongst these are stress-relieving comfort, LINGUATRONIC and a control and display system which minimises driver distraction. Further systems are designed to alert the driver to dangers and to assist him in the task of driving. DISTRONIC PLUS, night view assist and the Electronic Stability Program ESP® are just a few examples.

#### PRE-SAFE®

PRE-SAFE® goes a step further. Capable of detecting the threat of an accident, its “anticipatory” systems take precautionary measures to reduce the risk of injury if the accident cannot be avoided. PRE-SAFE® systems include reversible belt tensioners, automatic closing of the sunroof and positioning systems for the seats and belts.

#### PASSIVE-SAFE

Here the objective is to ensure that the occupants are well protected during an accident. PASSIVE-SAFE features are designed to protect both the vehicle’s own occupants and also other road users. Occupants in the vehicle are protected by a high-strength passenger safety cell and by systems such as adaptive airbags, windowbags or crash-responsive head restraints, while protection of other road users is provided by features such as smooth, yielding body surfaces.

#### POST-SAFE

POST-SAFE comprises measures which help to prevent an even more serious situation from developing after an accident. They include the positioning of the fuel tank in the crash-protected area in front of the rear axle, and automatic engine shut-off following a serious collision. Other POST-SAFE features help to prevent follow-on accidents, and make it easier for rescuers to locate the crashed vehicle, for example by automatically switching on the hazard warning lights. Automatic unlocking and easy opening of the doors are further measures designed to ensure that accident victims receive speedy assistance. As an additional contribution, Mercedes-Benz has also issued multilingual rescue guidelines which rescue services can access worldwide on the internet.



## Safety in the R-Class – nipping danger in the bud

R-Class safety systems aim to prevent critical situations in advance

### ESP® and Active Light System

The optional Active Light System for the R-Class helps you recognise obstacles sooner by providing up to 90% better road illumination. The Electronic Stability Program ESP® helps you stay cool in critical situations

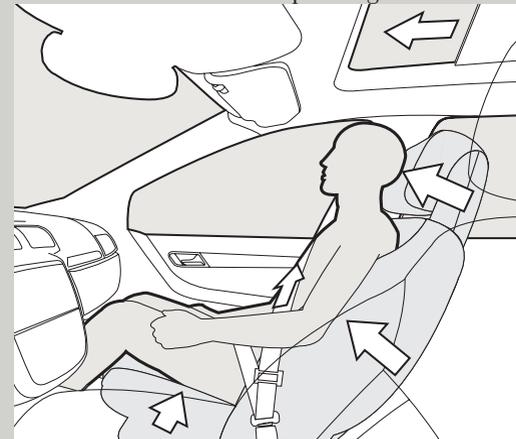
The R-Class helps you to drive safely at all times. For example the clearly organised interior allows you to focus on the road, without being distracted. This is yet another aspect of our PRO-SAFE™ safety philosophy.

Headlamp Assist, which turns the lights on and off automatically, is fitted as standard. Optionally, the R-Class can also be specified with bi-xenon headlamps with the Active Light System, dynamic range adjustment, a headlamp cleaning system and the cornering light function. “Active” means that the headlamps follow the direction in which you steer, improving road illumination by up to 90% on corners. The cornering light function, which is integrated in the fog lamps, is activated automatically at speeds up to 40 km/h when you signal a turn, or on tight corners.

If the vehicle starts to skid, the vehicle dynamics systems, which are specially adapted to all-wheel drive, intervene to improve traction. As soon as the sensors detect critical dynamics, controlled amounts of braking pressure are applied to one or more wheels and if necessary engine power is reduced. ESP®/4ETS cooperates with Brake Assist (BAS) and acceleration skid control (ASR). Should an accident be unavoidable however, a carefully designed system of airbags helps to minimise the consequences.

The driver and front passenger are protected by two-stage front airbags and sidebags as standard. The second-row seats can optionally be equipped with seatback-mounted sidebags. In a rollover, windowbags can be deployed over the side windows to protect the occupants in all three rows of seats. All the seats are equipped as standard with 3-point seat belts, belt tensioners and belt force limiters.

In the event of a rear-end impact which exceeds a certain level of severity, the active NECK-PRO head restraints are deployed upwards and forwards, to reduce the risk of whiplash injuries. These head restraints are optionally available for the driver’s and front passenger’s seats.



### PRE-SAFE®

In critical situations, optional PRE-SAFE® adjusts the sunroof, the front seat belts and the front passenger seat to an optimal position

**Standard equipment (SELECTION)**

3-point seat belts with force limiters and buckle tensioners (two-stage in first row, single-stage in second and third rows)

6 head restraints

7G-TRONIC 7-speed automatic transmission

8 load-securing rings

Aluminium trim on doors, dashboard console, centre console and dashboard

Anti-lock braking system ABS

Aspen fabric/ARTICO man-made leather upholstery

Aspherical, heated, electrically adjustable exterior mirrors, body-coloured, with integrated indicator repeaters

ASSYST PLUS maintenance computer with maintenance interval indicator

Audio 20 CD with telephone keypad and 8 loudspeakers

Brake Assist (BAS)

Central locking with interior switch and crash sensor

Courtesy lights and reflectors in doors (x 4), additional reflector in tailgate

Cruise control with SPEEDTRONIC variable speed limiter

DIRECT SELECT steering-wheel gearshift buttons and steering-column gear selector

Electronic immobiliser including locking system with infrared/radio-frequency remote control (AZT and TÜV-approved)

ESP®/4ETS (Electronic Stability Program and Electronic Traction System)

Headlamp Assist

Mountings for roof racks

Multifunction steering wheel, leather-trimmed

Outside temperature display

Permanent all-wheel drive

Seat occupancy sensor in front passenger seat

Speed-sensitive power steering

Steel front suspension, rear air suspension

THERMATIC automatic climate control

Tinted glass all round, rear windscreen of single-layer safety glass

Twin-pipe exhaust system with visible oval chrome tailpipes

Two-stage airbags and sidebags for driver and front passenger, windowbags for all three seat rows

Windscreen wipers with one-touch control and rain sensor with continuously variable intermittent speed

<b>OPTIONAL EXTRAS (SELECTION)</b>	<b>R 320 CDI</b>	<b>R 350</b>	<b>R 500</b>
Additional rear centre console for second row of seats	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AIRMATIC package comprising Adaptive Damping System (ADS) and air suspension with level adjustment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AMG bodystyling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Anti-theft alarm system ATA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Audio 50 APS radio with CD-based navigation system and colour display	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatically dimming interior and exterior mirrors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bird's eye poplar wood trim	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bi-xenon headlamps with Active Light System, headlamp cleaning system, dynamic range adjustment and cornering light function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CD changer, MP3-capable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMAND APS control and display system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EASY-PACK tailgate with obstruction sensor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electric panoramic glass roof with sunblind	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electric tilting/sliding glass sunroof	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
harman/kardon LOGIC7® surround sound system with 11 loudspeakers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heated front seats	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	<b>R 320 CDI</b>	<b>R 350</b>	<b>R 500</b>
Heated second-row seats	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interior monitoring system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
KEYLESS-GO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multicontour front seats	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-zone THERMOTRONIC luxury automatic climate control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NECK-PRO front head restraints	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PARKTRONIC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PRE-SAFE®	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rear air conditioning, only in conjunction with THERMOTRONIC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rear-seat entertainment system with CD/DVD player in rear centre console and two displays with headphone jacks in front head restraints	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sidebags for second row of seats	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sports package	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Styling package	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sunblinds in rear doors and sunshade for third-row seats	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TWIN Leather upholstery (combined leather/man-made leather upholstery)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wood/leather multifunction steering wheel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

□ Optional

● Standard

– Not available

R500 with styling package



### Styling and sports packages

The R-Class with the optional styling package comprising silver radiator grille with chrome louvres, side rub strips, body-coloured door handles with chrome inserts, and window frames/shoulderline trim strips with brilliant aluminium highlights

The styling package, with burr walnut wood trim and chrome highlights



The sports package, with aluminium trim and sports seats



## Small differences – big effect

The equipment options for the R-Class

Variety is as much a hallmark of the equipment for the Grand Sports Tourer as it is for the vehicle itself.

The base models already boast some very attractive features – for example all the R-Class models have a twin-pipe, chrome-trimmed exhaust system. The interior of the V6 models features matt aluminium trim parts and seats in combined Aspen fabric/ARTICO man-made leather upholstery, while bird's eye poplar wood trim and TWIN Leather<sup>1</sup> upholstery are standard in the R 500.

And if you want to take the refinement even further, for example with fine burr walnut, leather upholstery and electrically adjustable front seats, then look no further than the styling package.

For a sportier look and feel, we can recommend the sports package. Outside, the sports package comprises sporty 19-inch alloy wheels, dark red/grey rear lights and blue-tinted glass. Inside, there's matt aluminium trim, front sports seats with contrasting stitching, upholstered in Alcantara/ARTICO man-made leather, a silver-painted instrument cluster and sports pedals.

The styling package and the sports package both include the interior lighting package.

With lighting features throughout the interior, this package creates an even more welcoming and agreeable atmosphere. It includes illuminated cup holders, illuminated stowage compartments and reading lights for the third row of seats.

Outside, the AMG bodystyling package gives the R-Class an even more lean and athletic appearance. It includes a brawny front apron, larger air intakes and a dynamic rear apron. 19-inch 5-spoke AMG alloy wheels in sterling silver are also available on request.

AMG  
AMG bodystyling:  
three letters that are  
in perfect tune with  
the Grand Sports Tourer



<sup>1</sup> Combined leather/man-made leather upholstery

## First-class second row

### Rear-seat entertainment

For rear-seat passengers, the R-Class can provide the perfect “drive-in cinema” experience. While the driver drives, the second-row passengers can relax and enjoy a different kind of journey – into another world. All they need is the optional rear-seat entertainment system, comprising a CD/DVD player, seven-inch screens in the back of the front head restraints, two headphone sets and a remote control.

On the optional removable rear centre console between the comfortable seats, just like any good cinema, the R-Class also provides two cup holders and convenient storage for items like popcorn containers. The additional centre console also features a soft-touch-opening cover which functions as an armrest and lifts to reveal a seven-litre stowage compartment.

Whether you’re watching a film about the Sahara or a documentary about the frozen wastes of the Antarctic, the optional multi-zone THERMOTRONIC system always provides the right kind of climate. THERMOTRONIC comprises three separately adjustable climate zones – for the driver, for the front passenger and for passengers in the rear. The controls for the rear-seat passengers are mounted on the rear end of the centre console.

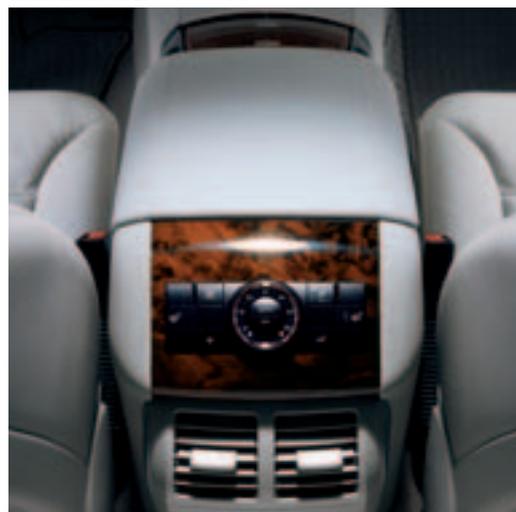
Rear-seat entertainment system



Rear centre console



Multi-Zone THERMOTRONIC



## Unalloyed perfection

Light-alloy wheels to suit every taste

The R-Class is available with a wide choice of wheels. They comprise sizes from 17 to 19 inches, styling choices from 5 to 10 spokes, plus the AMG light-alloy wheels. Further wheels are available as accessories.



Standard on the two V6 models:  
17" 7-spoke light-alloy wheel, size 235/65 R



Standard on the R 500:  
18" twin-spoke light-alloy wheel, size 255/55 R



Optional extra:  
the 18" 10-spoke light-alloy wheel, size 255/55 R



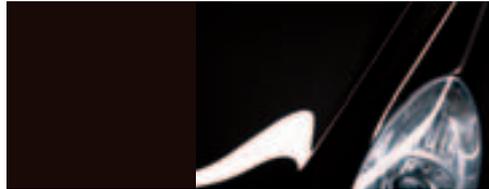
Available as part of sports package:  
19" 5-spoke light-alloy wheel, size 255/50 R



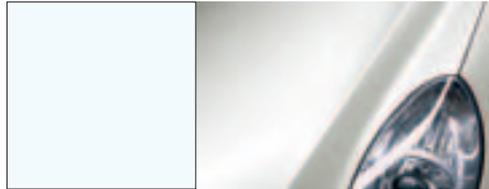
Optional extra:  
the 19" 5-spoke AMG light-alloy wheels in sterling silver, size 255/50 R

Whatever colour you choose, the extra-scratch-resistant clearcoat will give it a long-lasting shine. This is made possible by around one billion ceramic particles per square centimetre

## NON-METALLIC PAINT



040 black



960 alabaster white

## METALLIC PAINT



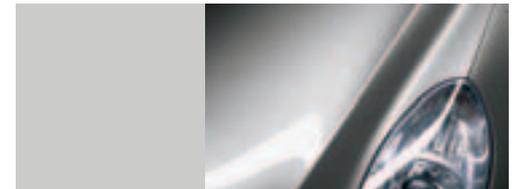
197 obsidian black



359 tanzanite blue



723 cubanite silver



775 iridium silver

METALLIC PAINT



544 carneol red



693 travertine beige



816 andradite green<sup>1</sup>

SPECIAL PAINT COLOURS



112 chromite black<sup>1</sup>



349 lazurite blue

<sup>1</sup>Available from August 2006

ASPEN FABRIC/ARTICO  
MAN-MADE LEATHER<sup>1</sup>

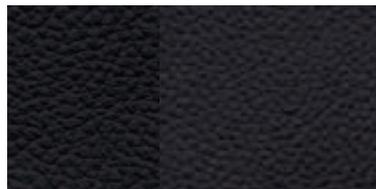


001 black



008 alpaca grey

TWIN LEATHER<sup>2</sup>



101 black

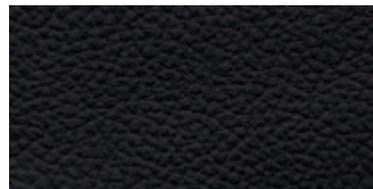


108 alpaca grey



104 cashmere beige

STYLING PACKAGE:  
LEATHER



201 black



208 alpaca grey

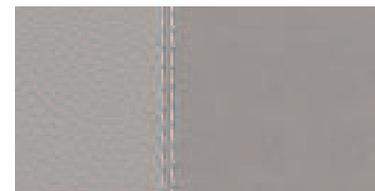


204 cashmere beige

SPORTS PACKAGE: ALCANTARA/  
ARTICO MAN-MADE LEATHER



901 black



908 alpaca grey

<sup>1</sup>Standard for V6 models

<sup>2</sup>Combined fabric or leather and man-made leather upholstery, standard on V8 models

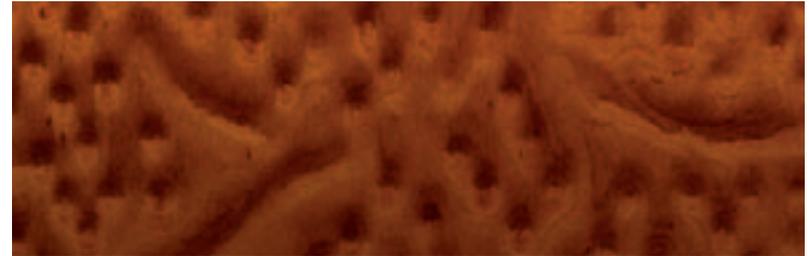
## We developed many state-of-the-art materials for the R-Class – but the most handsome of all is still a natural product

A special vehicle requires special wood

Wood is a natural product which ensures that every R-Class is both exclusive and unique. Because no two wood trim parts are ever exactly alike. That said however, they do all have one thing in common: they were all carefully selected by experts who travel all over the world looking for the best-quality raw materials. The burr walnut wood for example is imported from California.

Before the wood is ready to be fitted in one of our vehicles, our craftsmen apply their skills in numerous elaborate processing steps which turn the raw materials into a trim part worthy of the R-Class.

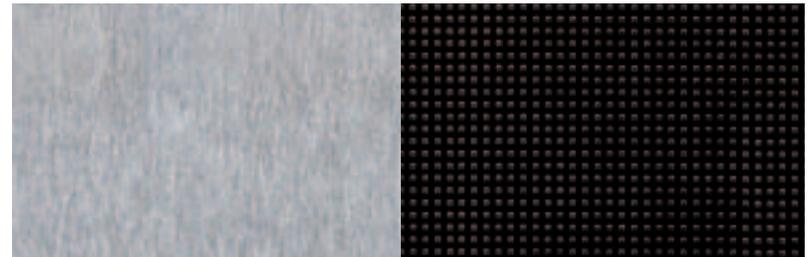
Bird's eye poplar wood trim is standard on the R 500 and optionally available for the V6 models. Burr walnut wood trim with chrome highlights is also available, as a stand-alone option and as part of the styling package. Aluminium trim is standard on the V6 models.



Bird's eye poplar

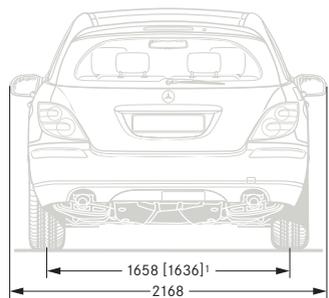
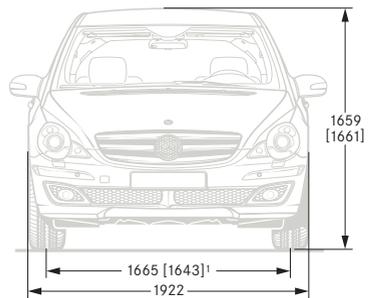
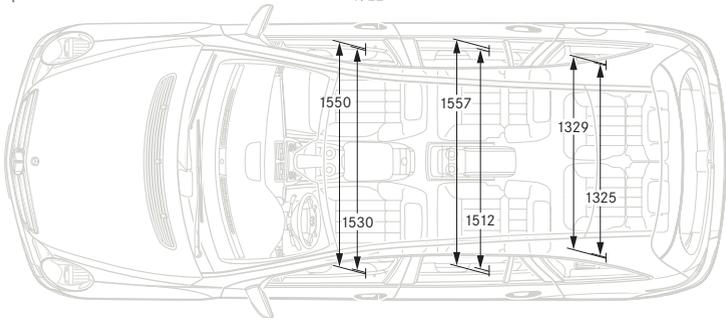
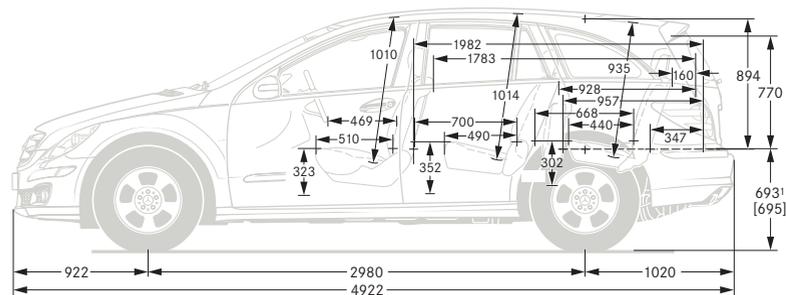


Burr walnut

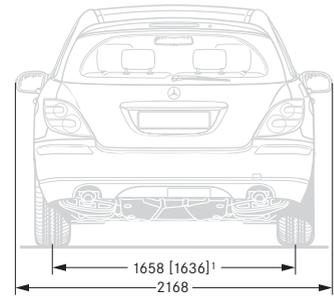
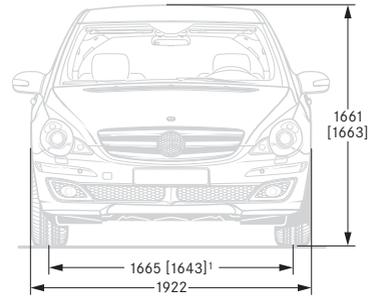
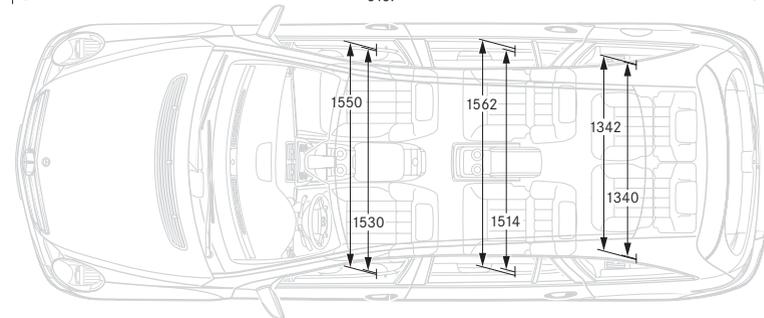
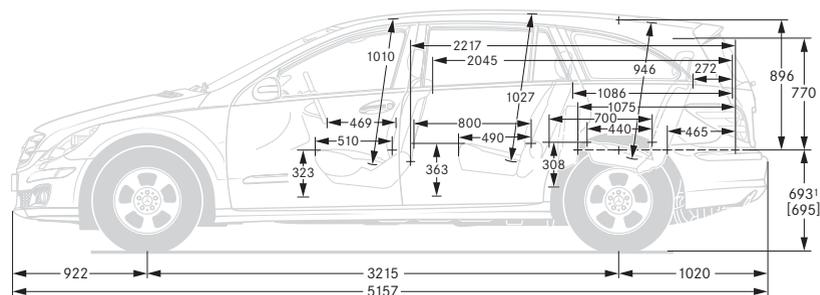


Aluminium

R-Class



R-Class with long wheelbase



Figures (in mm) are average values for unladen, standard-specification vehicles

<sup>1</sup>When carrying 4 persons, weighing 68 kg each

(Figures for R 500)

	<i>R 320 CDI</i>	<i>R 350</i>	<i>R 500</i>
No. of cylinders/arrangement	6/V	6/V	8/V
Bore/stroke (mm)	83/92	92.9/86	97/84
Total displacement (cc)	2987	3498	4966
Rated output (kW at rpm) <sup>1</sup>	165/3800	200/6000	225/5600
Rated torque (Nm at rpm) <sup>1</sup>	510/1600–2800	350/2400–5000	460/2700–4750
Compression ratio	18:1	10.7:1	10:1
Acceleration from 0 to 100 km/h (s) (long version)	8.7 (8.8)	8.3 (8.4)	6.9 (7.0)
Top speed, approx. (km/h)	222	230	245
Tyre size	235/65 R 17	235/65 R 17	255/55 R 18
Fuel	Diesel	Premium	Premium
Fuel consumption (l/100 km) <sup>2</sup> (long version)			
Urban	12.2–12.5 (12.2–12.5)	15.5–15.7 (15.6–15.8)	18.6–19.5 (18.6–19.5)
Extra-urban	7.6–7.8 (7.6–7.8)	9.0–9.2 (9.1–9.3)	10.1–10.6 (10.1–10.6)
Combined	9.3–9.5 (9.3–9.5)	11.4–11.6 (11.5–11.7)	13.3–13.9 (13.3–13.9)
CO <sub>2</sub> emissions (g/km) <sup>2</sup> combined (long version)	246–253 (246–253)	271–276 (274–279)	317–331 (317–331)
Fuel tank (l)/including reserve, approx.	80/13	80/13	80/13
Turning circle diameter (m) (long version)	11.7 (12.4)	11.7 (12.4)	11.7 (12.4)
Load capacity max. (l) (long version) <sup>3</sup>	1950 (2385)	1950 (2385)	1950 (2385)
Load capacity up to second-row seatbacks	888 (1067)	888 (1067)	888 (1067)
Load capacity up to third-row seatbacks	324 (414)	324 (414)	324 (414)
Kerb weight (kg) <sup>4</sup> (long version)	2145 (2195)	2080 (2130)	2115 (2165)
Permissible gross vehicle weight (kg) (long version)	2865 (2895)	2810 (2860)	2865 (2895)

<sup>1</sup> Figures in accordance with Directive 80/1269/EEC, current version

<sup>2</sup> The figures shown were obtained in accordance with the prescribed measuring process (Directive 80/1268/EEC in the currently applicable version).

The figures are not based on an individual vehicle and do not constitute part of the product offer; they are provided solely for purposes of comparisons between different vehicle models

<sup>3</sup> Vehicles with TIREFIT, cargo loaded to roof

<sup>4</sup> Figures in accordance with Directive 92/21/EC, version 95/48/EC (kerb weight with fuel tank 90 % full, driver, 68 kg, and luggage, 7 kg) for standard-specification vehicles. Optional extras and accessories will generally increase this figure and reduce the payload capacity accordingly

### **Take-back of end-of-life vehicles. Coming full circle**

At the end of its long life, you can return your R-Class to us for environment-friendly disposal in accordance with the EC End-Of-Life Vehicle Directive<sup>1</sup>. But that day lies a long way off.

<sup>1</sup>Applies in accordance with national regulations to vehicles up to 3.5 t permissible gross weight. Mercedes-Benz vehicles have met the statutory regulations governing the suitability of the vehicle's design for reuse and recycling for a number of years now. A network of vehicle take-back depots and dismantlers has been established which will process your vehicle in an environment-friendly manner. The ways in which both vehicles and parts can be recovered are subject to ongoing development and improvement. Consequently, the R-Class will be able to comply with any future increases in the recycling quota within the stipulated time limits. For further information, please call 00800 1777 7777.

Please note: changes may have been made to the product since this brochure went to press (01.07.2005). The manufacturer reserves the right to make changes to the design, form, colour and specification during the delivery period, provided these changes, while taking into account the interests of the vendor, can be deemed reasonable with respect to the purchaser. Where the vendor or the manufacturer uses symbols or numbers to describe an order or the subject of an order, no rights may be derived solely from these. The illustrations may show accessories and items of optional equipment which are not part of standard specification. Colours may differ slightly from those shown in the brochure, owing to the limitations of the printing process. This brochure has been compiled by DaimlerChrysler AG of Germany and is distributed internationally. It provides a general indication of the range of models, features, optional extras and/or colours available in various countries. Some of the models, features, optional extras and/or colours may not be available in your country, or may only be available in a different specification. Additionally some models, features, optional extras and/or colours may only be available in combination with others. For current and more specific information in relation to the range of models, features, optional extras and/or colours available in your country, and their pricing, you should contact your nearest authorised Mercedes-Benz Passenger Car Dealer.