

316i 318i 320i 325i 325iX

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BMW AG



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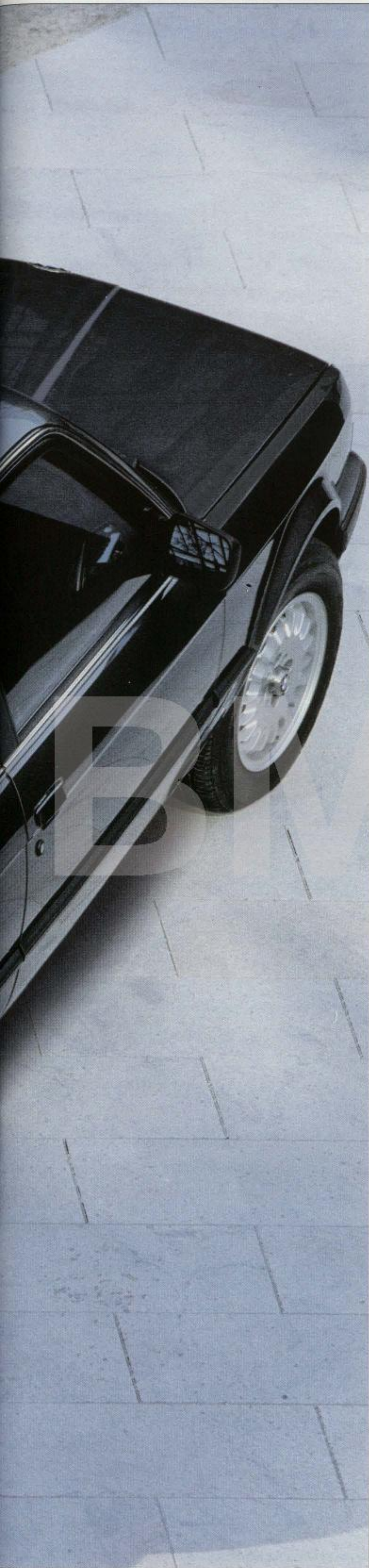
The car that created an absolutely new class of motoring.

The BMW 3 Series is the original car that created the compact sports class. And it still sets the standard in this class of motoring today, offering unparalleled and unprecedented individual style. It combines high-performance technology with supreme quality. For the BMW 3 Series now offers more than ever before to the discerning and ambitious motorist.

New technical concepts and solutions taken from the luxury performance range help to secure the 3 Series' technical leadership. One example is the new power unit of the new BMW 316i. Bearing a close technical resemblance to the BMW 12-cylinder, this new engine defines the state of the art in four-cylinder technology with new, fascinating features: It is smooth, powerful and economical. It offers a wide range of unique innovations in its class, from bumpers that regenerate to their former shape after a collision all the way to the latest ellipsoid headlights.

Driving a BMW 3 Series is just as unique as the technology it has to offer. The agility of the car, its excellent handling and the smooth but superior power of the engine all blend to form one fascinating whole: modern and up-to-date joy of motoring. An experience coupled with exclusive technology that will keep the 3 Series at the forefront of the compact sports range also in future.





A cast of super-stars.

The BMW 3 Series is an unmistakable automobile. Its graceful and elegant lines, its well-balanced proportions are acknowledged worldwide as the epitome of dynamism. Performance and aesthetic styling you can see at a glance — a symbiosis appreciated by car connoisseurs everywhere.

With its compact, uncluttered styling, the 3 Series is absolutely ideal for the motorist looking for the amenities of a large and sophisticated saloon without its large dimensions. Whether you prefer the two-door version with its coupé silhouette or the classic four-door

**The 3 Series:
unique more than
30,000 times.**

saloon is a matter of taste and your individual requirements. BMW leaves the choice up to you.

And that's not all you have to

choose from. Adding up all the different engines, options and special features, you can order your customised 3 Series from an unbelievable range of more than 30,000 different versions. So that virtually every 3 Series is unique — an individual car in its own right, a star among stars tailor-made for its proud owner.

Encouraged by the worldwide success of the 3 Series, BMW has every reason to maintain its leadership in terms of technology and styling. The entire front section of the car, for example, is designed to keep the passenger compartment virtually undamaged in a head-on collision up to 50 km/h. A pleasant side-effect of this sophisticated design is that damage is easier and cheaper to repair after minor collisions. In addition, the front and rear bumpers regenerate fully to their original shape after slight impacts up to 4 km/h. Which is always nice to know.

The new ellipsoid-technology low-beam headlights ensure a sub-



stantial increase in motoring safety, providing a large and softly contoured field of vision. The light they generate is brighter and offers very good illumination of the road ahead, while glare is reduced both for oncoming traffic and the driver himself. Ellipsoid headlights — a difference like day and night.

To provide even greater passive safety, the 3 Series now also has larger rear lights. A black panel between the two rear light clusters smoothly blends the licence plate into the rear end of the car.

The harmonious styling of the body is rounded off and accentu-

**The body is zinc-plated
at all appropriate points.**

ated by various features finished in chrome. In conjunction with salmon-silver, dolphin and diamond-black metallic paintwork, and with

zinnobar red and alpine white non-metallic, the 3 Series is also available in satin-chrome finish with an even sleeker and more dynamic touch.

Providing a glimpse at first sight of the performance the driver enjoys at the wheel.

Despite all these visible merits,

however, you shouldn't forget the many hidden virtues that have always been characteristic of the 3 Series, such as the exemplary finish and extensive rustproofing. The bodysell of the 3 Series is zinc-plated wherever appropriate, which is at many important points. Further stages in the multi-step

Low-beam headlights in new ellipsoid technology. The advantages of this progressive illumination system: bright, far-reaching and softly contoured field of vision, particularly good illumination of the road ahead and reduced glare of oncoming traffic and the driver himself. The fog-lamps integrated in the front spoiler available as an option also feature this progressive headlight technology.





rustproofing regimen from top to bottom are the cataphoretic dip bath and sealing of all joints and seams.

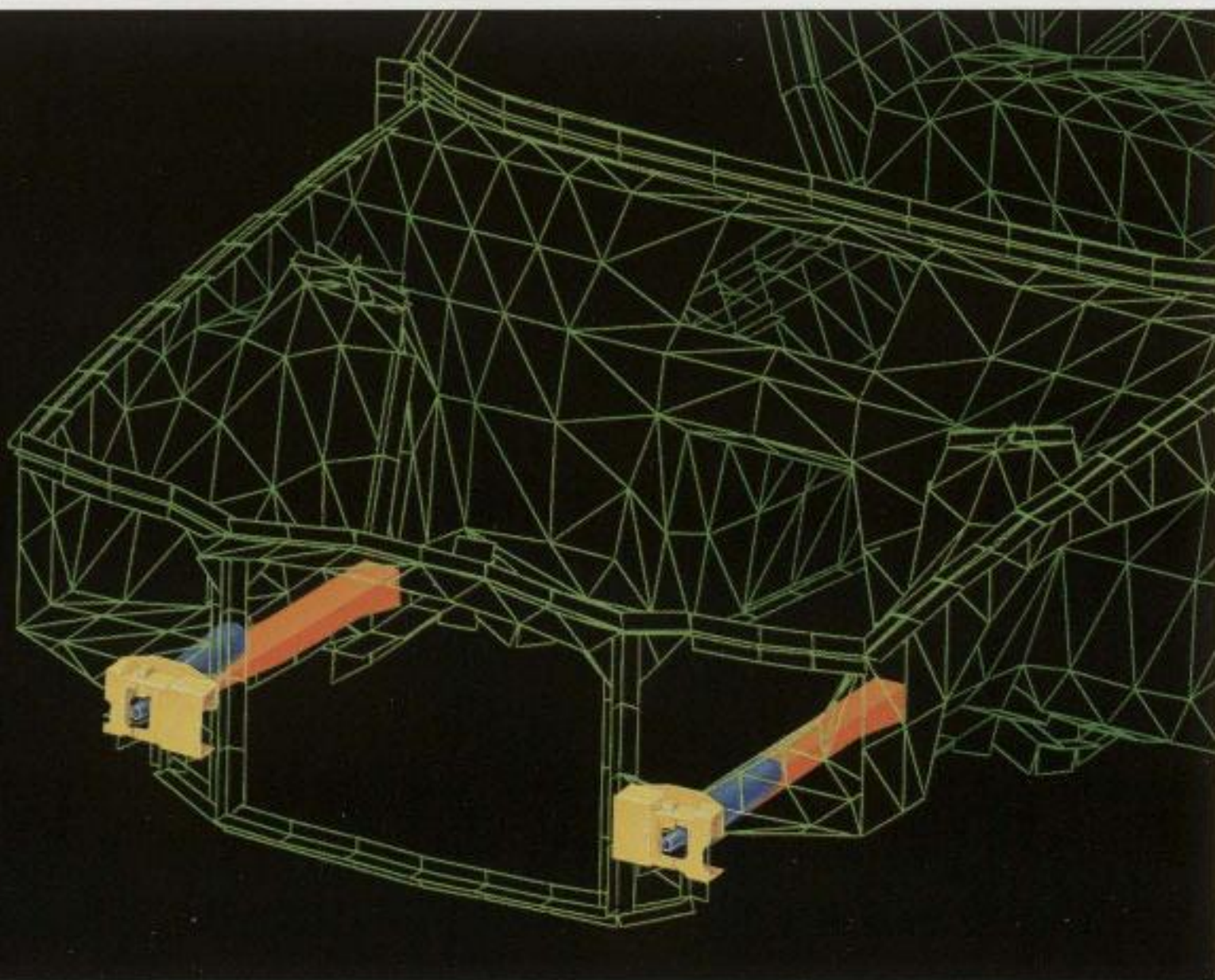
Other characteristic fortes of the 3 Series are the car's excellent all-round visibility, the pleasantly low temperatures in the passenger compartment even in hot, sunny

weather, and the sleek but not exaggerated streamlining. Just compare engine power and road performance of the various models, for example, to appreciate the outstanding streamlining of the 3 Series.

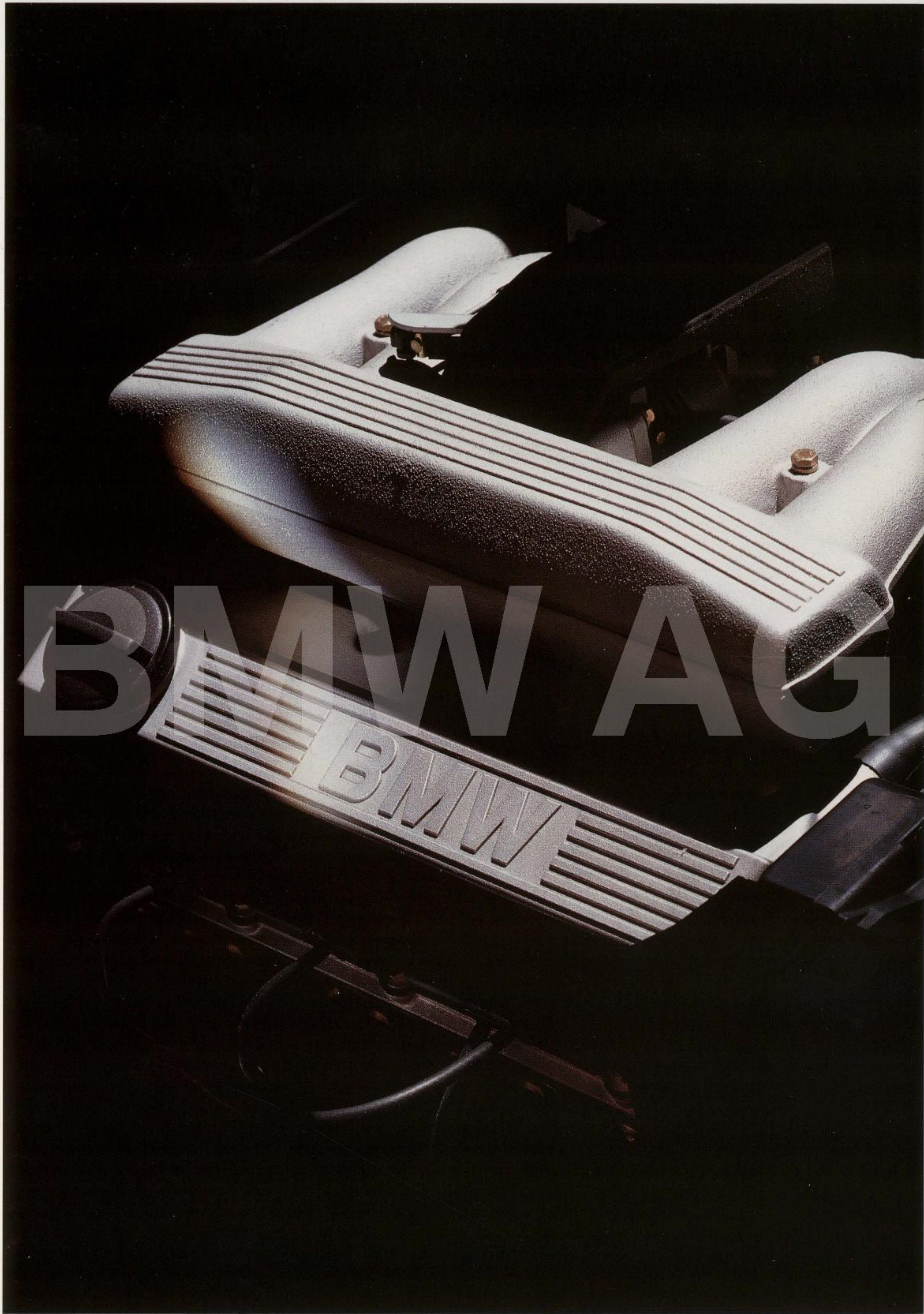
Performance you can see at first sight, beautiful looks and opti-

mum functions, plus the unique experience at the wheel of the 3 Series.

The agility of the engines, the handling of the suspension and the top-quality finish. Sheer motor-ing pleasure at its very best.



The front end of the 3 Series is designed to keep the passenger compartment virtually undamaged in head-on collisions up to 50 km/h. The bumpers completely absorb impact energy when parking and in slight collisions up to 4 km/h.



The leader in engine design.

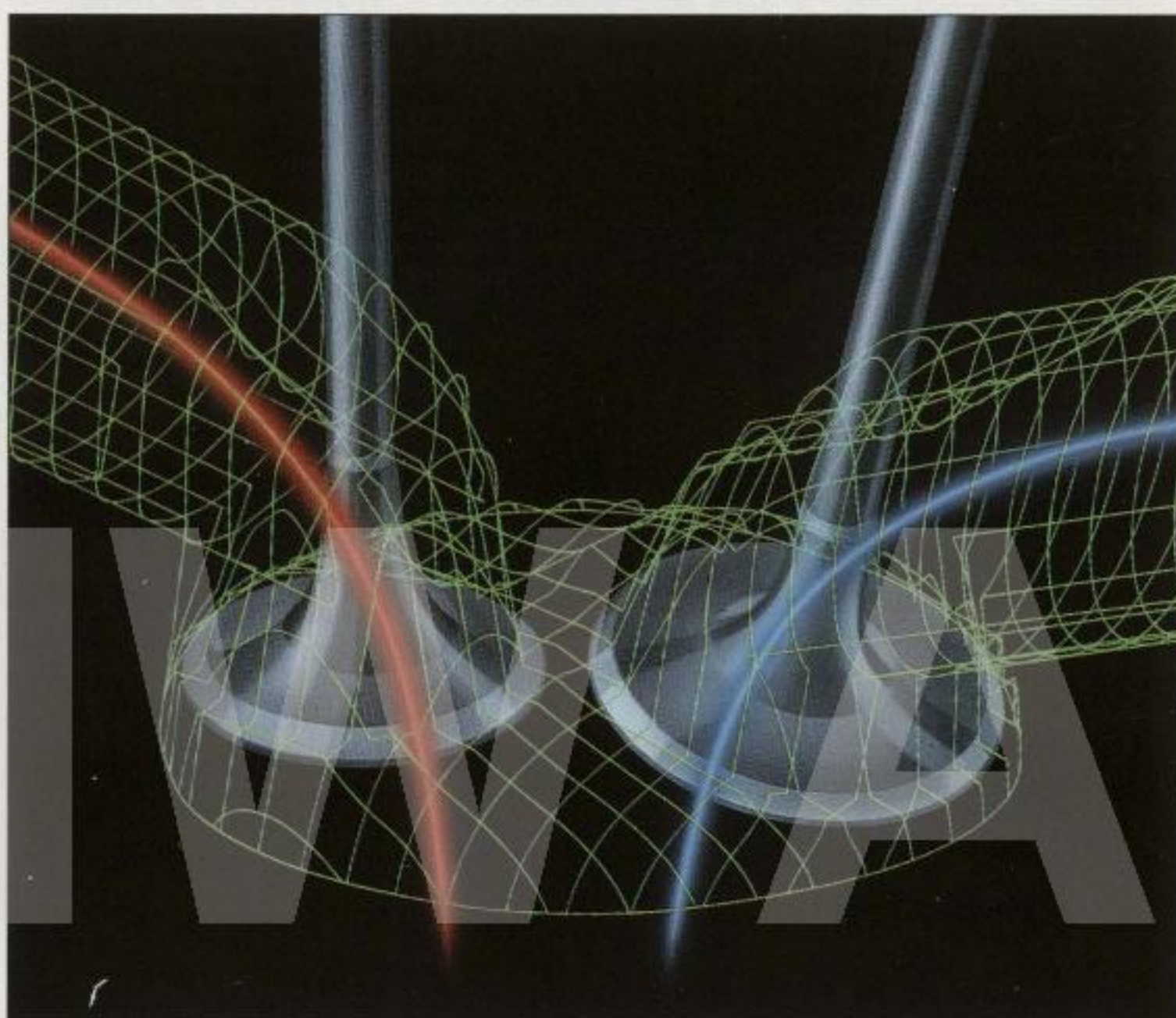
It is no coincidence that the word "motors" comes right in the middle of the initials BMW. And perhaps this explains why BMW was one of the first manufacturers to successfully use the four-valve per cylinder technology. It also explains why BMW introduced turbocharging on standard production models back in 1972. Why Bayerische Motoren Werke were among the very first manufacturers to use complex electronic engine management systems — again on standard production cars.

Benefitting from this valuable experience, BMW has learned to use all kinds of sophisticated technologies where they offer the driver maximum advantages. Turbocharging to provide the most powerful diesel with outstanding speed and muscle, four-valve per cylinder technology for the high-performance models and electronic engine control throughout the entire range from the "smallest" four-cylinder to the magnificent 12-cylinder.

The engines of the BMW 3 Series thus offer the very best in their class in terms of performance, motoring refinement and environmental care.

The two four-cylinders of the BMW 316i and 318i add new momentum to this outstanding leadership in engine design.

The range of 3 Series engines starts with the four-cylinder power unit of the BMW 316i. This is BMW's very latest engine, based like the power unit of the 318i on



The combustion chambers of the new four-cylinder in the 316i and 318i represent the absolute state of the art. Through their design and the spark plugs fitted almost in the middle, they offer supreme efficiency. The result is superior performance and engine power, an efficient combustion process, unprecedented motoring refinement.

our lauded 12-cylinder. Indeed, the four-cylinder and the V12 share far more than just a number of technical features.

Like the 12-cylinder, the four-cylinders of the 316i and 318i are both light and compact in relation to their output. They therefore offer

**The new small four-cylinder —
a big engine in terms
of motoring refinement and
all-round economy.**

an extremely good power-to-weight ratio. The connecting rods are forged for extra stability. Together with the smaller pistons and the extra-rigid crankcase, this provides particularly smooth running characteristics virtually free of vibrations.

Both engines rev up smoothly and quietly, almost like a 6-cylinder. Running smoothness of this calibre is indeed an entirely new experience in the four-cylinder class.

The cylinder heads also have the same basic design as on the 750i, except that they are tailored to the current and future requirements made of a four-cylinder. Carefully designed intake and outlet ducts ensure rapid and dynamic gas flow and provide superior torque and pulling force at low and medium engine speeds. Both engines thus offer impressive acceleration without requiring a rapid shift of gears.

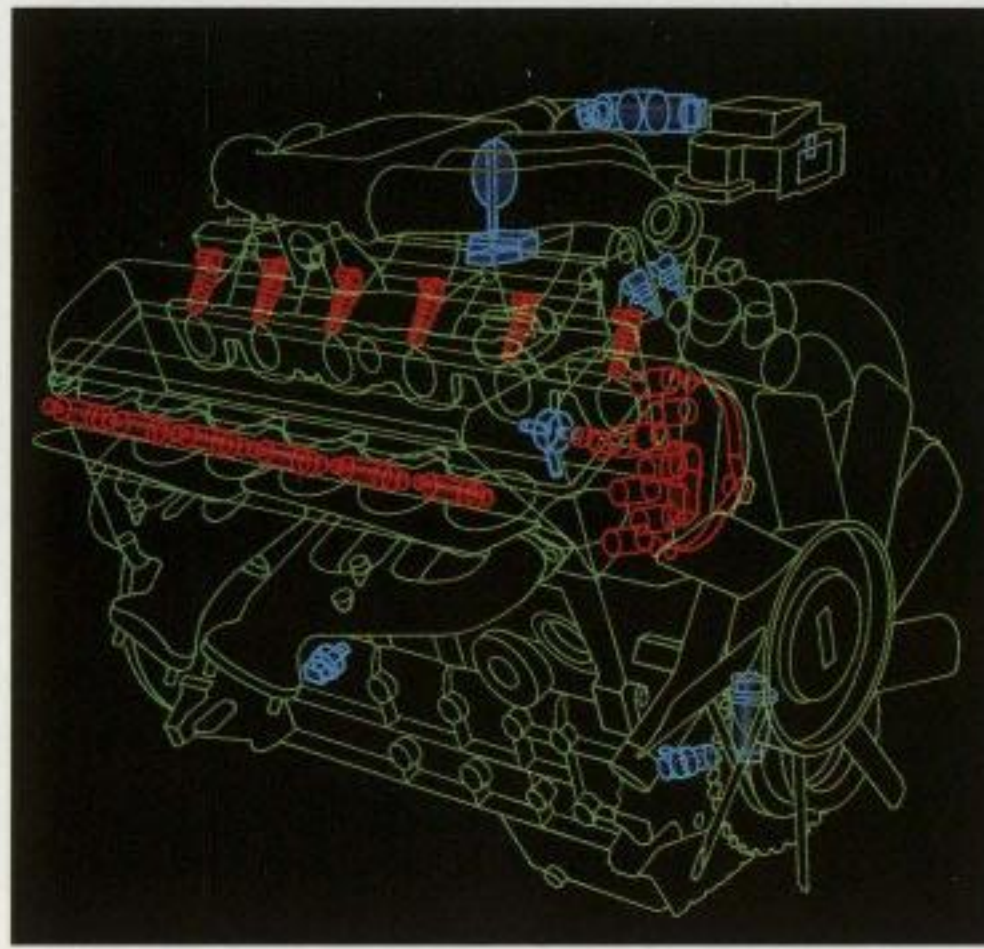
Running in five bearings, the hollow-cast camshaft ensures highly accurate valve timing. Hydraulic compensation of valve clearance obviates the need for

ENGINES

any subsequent adjustment, reducing service and maintenance almost entirely to the occasional engine oil change. A considerable saving of time and money.

These qualities of the new four-cylinders are supplemented by further superior features expressed quite prosaically in simple data. For even the 316i is a very fast and powerful car: Developing 75 kW/102 bhp from 1.6 litres, it accelerates to 100 km/h in 12.1 seconds. And with a top speed of 180 km/h (112 mph) plus, it covers long distances quickly and without stress.

The 318i develops 85 kW/115 bhp from an engine capacity of

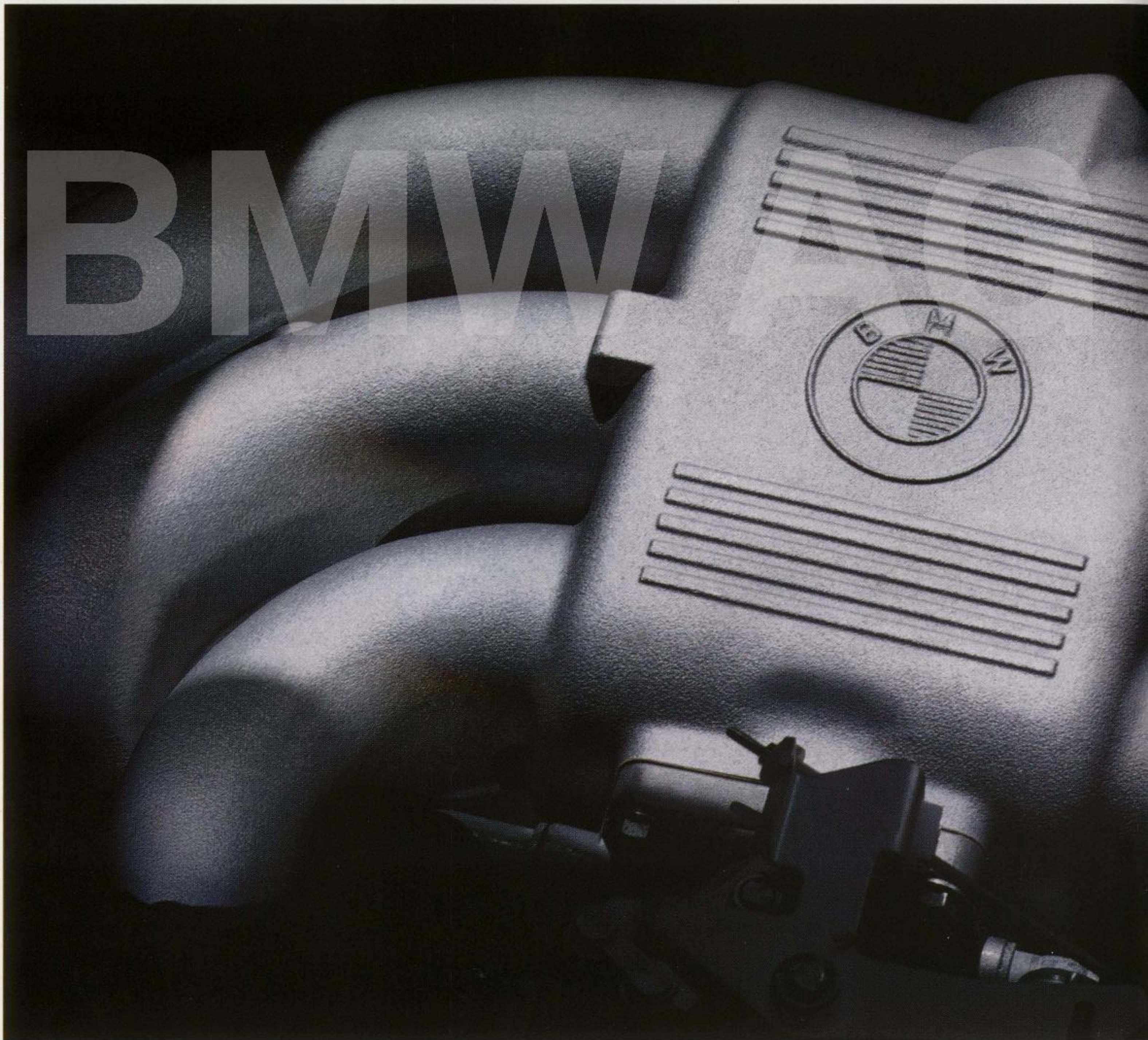


Efficient electronics. To provide optimum running smoothness, economy and engine power, Digital Motor Electronics determines driving conditions through nu-

merous sensors and control points. The data measured is checked within fractions of a second, and then used for highly accurate engine management.

1.8 litres, accelerating to 100 km/h within about 10 seconds. And it remains just as dynamic at higher speeds, too. So that these engines fully live up to the name BMW also in terms of performance.

The world's most modern engine management system, Digital Motor Electronics (DME), now ensures perfect control of both four-cylinder power units. Determining engine data and road conditions through numerous sensors and control points, DME accurately meters the fuel supply within thousandths of a second, activates the fuel injection and controls the firing spark with unparalleled efficiency.



DME constantly compares actual running data with target data and instantaneously makes the necessary modifications. It constantly checks the temperature conditions in the engine. And it even checks itself. Even if a defect or malfunction should occur on a rare occasion, DME has the right answer. With its integrated on-board diagnosis, it detects any such deficiency and stores it in its memory, enabling the workshop to retrieve the information the next time the car is serviced. This is certainly the best guarantee for thorough, quick and, accordingly, cost-efficient service at all times.

The BMW 320i — the only

straight-six in the two-litre class — naturally also features this intelligent engine management. Its power unit clearly shows why BMW has opted for the excellent smoothness of an inline 6-cylinder from two litres capacity. Silky-smooth is the only word. This turbine-like smoothness is maintained all the way, even when the needle

The 3 Series gives you the choice of two different engines in the exclusive world of six cylinders.

of the rev counter approaches the red sector. Which goes to show

how freely this engine revs up to any speed and keeps on churning out healthy, dynamic power.

You can, however, still go one better: with the BMW 325i. The 2.5-litre straight-six that powers this outstanding car offers a perfect blend of supreme motoring refinement and dynamic performance at all times.

It hardly needs emphasizing that the engine of the 325i is also controlled by the most advanced Digital Motor Electronics. Developing a superior 126 kW/171 bhp, the BMW 325i is one of the fastest and most dynamic cars on the road. And since this outstanding performance is matched by equally outstanding reserves, driving the 325i is always a fascinating and safe experience.

Ultimately, however, the engine you choose is a question of your personal taste. Although throughout the entire range all BMW engines share the same fundamental features: power and refinement. And a driving thrill you can only get from BMW.



Supreme power plus beautiful looks. Just one look and you can sense the power and refinement of this straight-six. BMW makes superior technology a genuine experience to drive and to behold.



Fast and quick-footed.

The thrill of motoring results to a great extent from the suspension of your car. For it is the suspension that gives you that first-hand experience of handling, motoring comfort and safety at all times. Just how good the suspension is in providing these qualities depends on the engineering skills and priorities set by the manufacturer.

The BMW 3 Series is designed from the outset for optimum handling. The front and rear wheels feature independent suspension with a double-joint spring strut front axle and semi-trailing arms at the rear. The two axles thus form one technical unit with excellent all-round harmony, traction and roadholding.

The extra-large anti-roll bar at

the front — and an additional anti-roll bar on the rear axle of the BMW 325i — reduces body sway in fast bends. Anti-dive increases the car's stability when braking, anti-squat provides for greater stability when accelerating. Finely tuned shock absorbers (twin-sleeve gas pressure shock absorbers from the 320i) ensure a smooth and comfortable ride even

on bumpy roads.

Despite this high standard of motoring comfort, the suspension of the 3 Series is firm, taut and dynamic. For these qualities are essential in order to provide a high standard of directional stability, perfect handling in bends and a quick, sure-footed response to the steering. With utmost attention obviously being given to driving safety.

All 3 Series have variable-transmission steering. As an option, power steering geared to engine speed makes things even easier and more pleasant for the driver.

The 320i and 325i come with an extra-large fuel tank to provide a very long range. Yet a further contribution to the mobility that

characterises the BMW 3 Series and gives you absolute freedom at all times.

Highly efficient brakes with



The 6-cylinder models are also available with automatic transmission featuring electronic/hydraulic (EH) control with three driving programmes. You choose, therefore, either a particularly dynamic or economic style. Or you can shift gears manually.

above-average reserves reliably cope with the outstanding power and performance of the 3 Series even in extreme situations. Optimum safety is then provided by

the four-channel anti-lock brake system (optional, standard on the 325i). Featuring technologies of this calibre, the 3 Series gives you a perfect combination of safety and agility on the road.

Only the 325iX can offer even more safety and dynamic driving characteristics. For this is the 3 Series with BMW's intelligent four-wheel drive system. A sophisticated drive concept you will only feel when it actually presents its outstanding benefits. One particular advantage, for example, is the better traction when accelerating after narrow bends. Another is the safe acceleration on wet roads, yet another the better wheel grip when starting on a steep slope, particularly with a heavy trailer be-

S U S P E N S I O N

hind the car. And it goes without saying that the 325iX offers particularly significant advantages on snowbound and icy roads in winter.

The BMW 325iX does not simply spread out the power of the engine equally among all four wheels, but rather applies engine power specifically to each wheel depending on driving conditions. Under normal circumstances, 63% of the torque goes to the rear, 37% to the front axle. This gives the driver particularly good road-holding in bends, since the front wheels are not required to convey too much drive power and can therefore provide greater lateral stability. The 325iX therefore responds smoothly and accurately to the steering, offering significant active reserves particularly in fast bends. The higher torque on the

rear wheels, in turn, fully retains the driving characteristics typical of a BMW: in bends, the car first understeers slightly, then becomes neutral in its behaviour and finally enters a smooth and easy-to-anti-

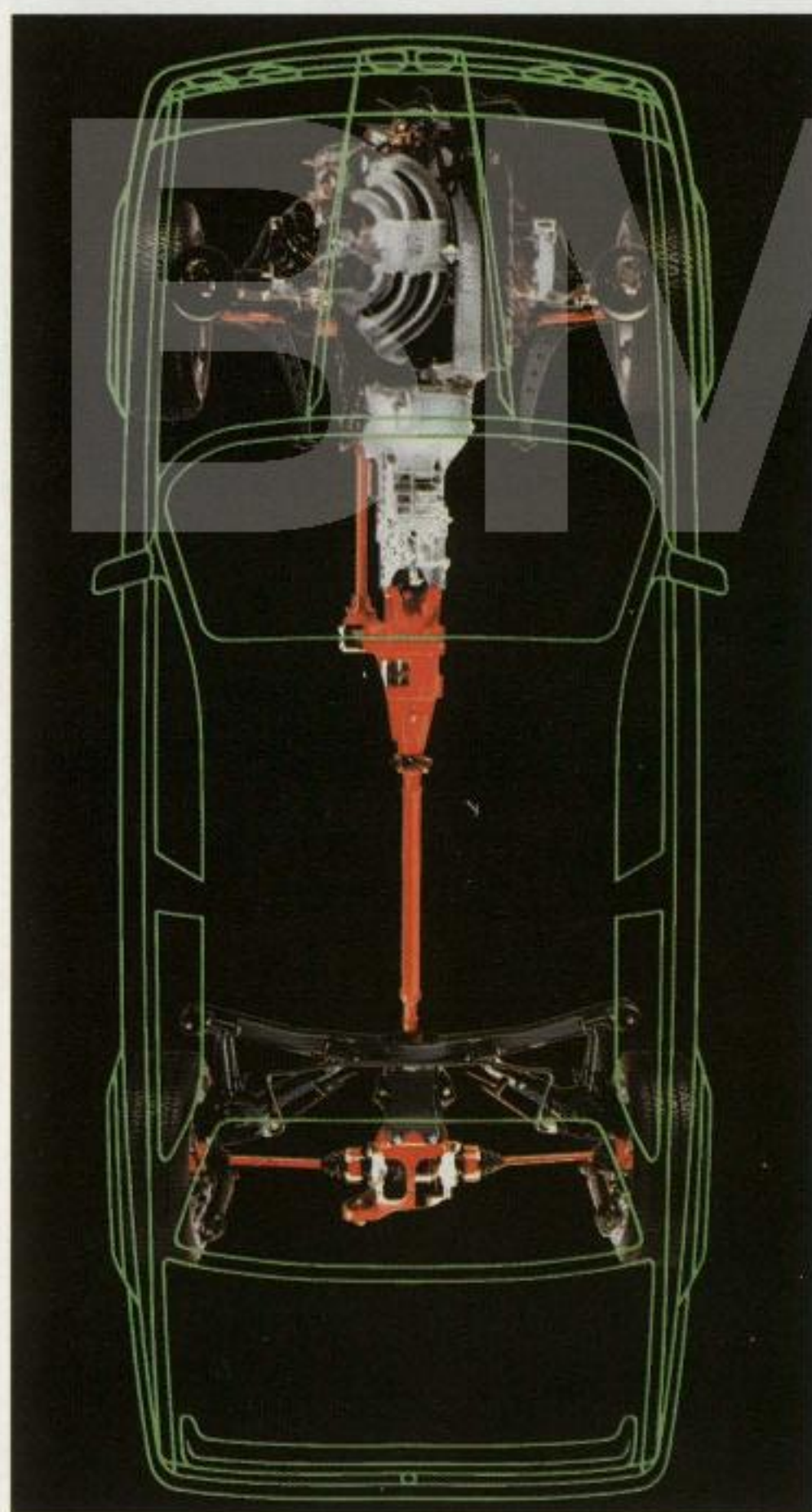


cipate oversteer when driven to the limit. The driver can therefore respond in good time to such smooth and forgiving behaviour.

Two viscous locks enable the 325iX to adjust to any change in conditions within fractions of a second. If, for example, the rear wheels are about to spin on a slippery road, the first viscous lock will instantaneously re-arrange the distribution of power, automatically conveying more torque to the front wheels and ensuring optimum traction. This alone shows how sophisticated technology can provide a substantial margin of extra safety.

The second viscous lock provides the finishing touch, making an excellent four-wheel drive even better. For the purpose of this viscous lock is to ensure a perfect balance between the two rear wheels: Whenever one of the rear wheels cannot get the power of the engine on to the road despite the reduction of power conveyed to the rear axle, this viscous lock will provide an automatic balance of power with the opposite wheel. All this happens smoothly without the slightest jolt, enabling the driver to concentrate on the essential.

Anti-lock brakes are obviously an absolute must with a sophisticated safety system of this kind. The 325iX therefore features ABS in four-channel technology, specially tailored to this specific drive system and making BMW four-wheel drive a complete technological concept for safe and efficient motoring.



BMW four-wheel drive in the 325iX, conveying 37% of the engine power to the front, 63% to the rear wheels. Whenever necessary, power supply to the axle with better traction is automatically increased.

And the torque acting on the rear axle is shared out perfectly between the left and right wheel. Greater driving safety provided by an intelligent four-wheel drive system.







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The beauty of function.

The cockpit is where man and machine come together. Trying to economise here in any respect would mean carelessly risking all the other efforts made to build a truly outstanding automobile. A perfect cockpit therefore precludes even the slightest risk of error, avoids even the smallest distraction and actively "adjusts" to the driver. The outstanding innovations featured by the BMW cockpit range from the concave arrangement of the controls and instruments around the driver, to the clear, electronically controlled analogue displays



and the eye-soothing orange illumination at night. Then there are various other features and revolutionary technologies available exclusively from BMW: First, the Service Interval Indicator. This sophisticated instrument provides clear optical signals indicating exactly when service will be required. Carefully assessing the various factors relevant to vehicle wear (engine speed, engine temperature, mileage covered, time elapsed and the number of starts), the Service Interval Indicator tells you when the oil has to be changed or the engine tuned. Even with a

normal style of driving inspection intervals are generally longer than with the conventional system of fixed, rigid intervals.

Second, the active Check/Control (standard from the 320i). This safety system constantly monitors important vehicle functions and provides a clear signal in the event of a deficiency. It checks the low-beam headlights, tail lights, number plate illumination, brake lights, coolant level, screenwasher reservoir level and engine oil level.

Third, the Energy Control (standard from the 318i). An electronic fuel consumption gauge

which shows you exactly in litres/100 km how much fuel the car is currently consuming. A unique instrument with unique precision.

Many other amenities contribute to the pleasure of driving the BMW 3 Series by making the cockpit absolutely ideal for every motorist.

Both electrically adjustable rear-view mirrors (standard on the offside door from the 320i) are controlled by one and the same button.

To further enhance the symbiosis of man and machine, BMW

BMW sports seats are available straight from the factory for each 3 Series. They offer optimum side support in fast bends, combined with a wide range of different adjustments also including the thigh supports. As an option, the sports seats on the six-cylinder models are also available with leather upholstery.





The BMW on-board computer (available as an option from the 320i) provides a reliable warning in the case of icy roads or when exceeding a

pre-set speed limit. Information may be retrieved from the computer without taking your hands off the steering wheel.



The airbag steering wheel. A second-generation airbag is a new feature now available for the

3 Series. It is even more compact and provides even better visibility of the instruments.

also offers a driver airbag, electric window lifts and air conditioning.

The on-board computer that calculates your average speed, determines average fuel consumption, safeguards the car by means of a special code, provides a loud and clear warning signal as soon as the outside temperature drops below + 3°C and offers numerous other functions, is an extremely helpful co-driver for the active, dedicated motorist. Features of this kind quickly change a fascinating car into a unique automobile for the discerning individual. An automobile made-to-measure for the driver in every respect.

The quality of driving.

It is by no means a coincidence that BMW drivers cover more miles a year than the average motorist. For drivers who travel a lot obviously wish to combine work with pleasure. And they certainly know which qualities to expect of an ideal car.

The first point, for example, is that you must really feel at home in the car of your choice. You must be able to relax, knowing that everything in your car works perfectly. This is precisely why the passenger compartment of the 3 Series is designed to avoid even

the slightest fatigue. The front and rear seats feature comfortable springs and provide a logical match for the suspension. The seat base and backrest are body-contoured to provide optimum comfort and excellent side support in fast bends. Offering you and your pas-



sengers an ideal seating position at all times, the BMW 3 Series ensures fatigue-free motoring on very long trips.

The refined and excellently finished upholstery provides a pleasant and enjoyable atmosphere inside the car. Now offering an unprecedented standard of quality, the upholstery is even more hard-wearing and will not betray the age of a 3 Series even after many years.

Top-quality materials and a top-quality finish go together to provide a perfect combination. You can see and feel it at first sight: Everything emanates a touch of class, everything fits together. The seams on the seats,



From the 320i every 3 Series is available from the factory with electronic heater control. This optional extra accu-

ately maintains the predetermined temperature for even greater comfort and control ease.

both with the cloth upholstery that comes as standard and the leather upholstery available as an option from the 320i, are strong and precisely sewn. The velour is fitted accurately on all surfaces and into

all corners. The instrument panel fits in position hand in glove, down to the last fraction of an inch. Every lever and switch moves accurately and easily, the doors close with a solid "thump".

Before leaving the factory every single 3 Series undergoes a spot check covering hundreds of different items to ensure optimum quality. The most conscientious quality

Top production quality — from sophisticated processing of plastic parts to utmost precision in assembly.

controllers vouch with their name on the delivery documents for the perfect finish of every BMW that comes off the production line.

A wide range of cleverly designed features makes the 3 Series a pleasant and convenient car to drive day in and day out throughout a long service life. Just consider the front seats on the two-door model, for example. Opening the seat lock levers fitted on both sides of the backrest, the driver can offer rear-seat passengers optimum access and exit to and from the car. To make things even easier, the entire front seat moves forwards to give rear-seat passengers utmost convenience. Then all you do is return the backrest to its original position and the seat will move back again.

Another amenity you will soon learn to appreciate is the sophisticated heating and ventilation system. Fresh air is distributed throughout the interior via 7 outlet nozzles. The heating itself rapidly warms up the car even in freezing weather. And if you set your standards even higher, an air conditioning system is available as an option. The passenger compartment of the BMW 3 Series therefore offers you virtually every creature comfort you can imagine. Just state your wish and it will be yours.



Individuality in perfection.

The touring. A unique synthesis of dynamic motoring and practical benefits. The BMW touring offers the connoisseur a brand new way of enjoying sheer driving pleasure.



A genuine four-seater convertible. The BMW 320i/325i Convertible offers up to four people the unique thrill of open-air motoring. The entire bodyshell has been carefully reinforced for optimum rigidity and is just as sturdy as the saloon.



OTHER 3 SERIES VERSIONS

Individuality BMW-style means the opportunity to fulfil your personal wishes and preferences. Through the wide range of engines alone, the 3 Series provides such individual choice right from the start: The four petrol engines are supplemented by two diesel units. One is particularly economical and refined, the other particularly dynamic. But they both — the 324d and 324td — combine the merits of a 6-cylinder

inline 3 Series with the typical benefits of a diesel.

The most dynamic 3 Series of them all is the M3. Within the en-

Sheer driving pleasure is the ultimate motto throughout the wide range of the 3 Series.

gine compartment of this car lurks the unique 2.3-litre M Power rac-

ing machine. The connoisseur knows exactly what this means: race-proven high-performance technology. The M3 — a standard-production car which clearly shows that it was designed for the race-track.

The BMW 320i/325i Convertible is somewhat softer and more gentle. Leaving nothing but the sky above — and the little chores of everyday life behind. Open-air driving BMW style.

The new BMW touring is both exclusive and practical in one. With a variable passenger and luggage compartment for all kinds of purposes. A car powered exclusively by one of BMW's 6-cylinder inline engines. Sheer driving pleasure plus maximum versatility.

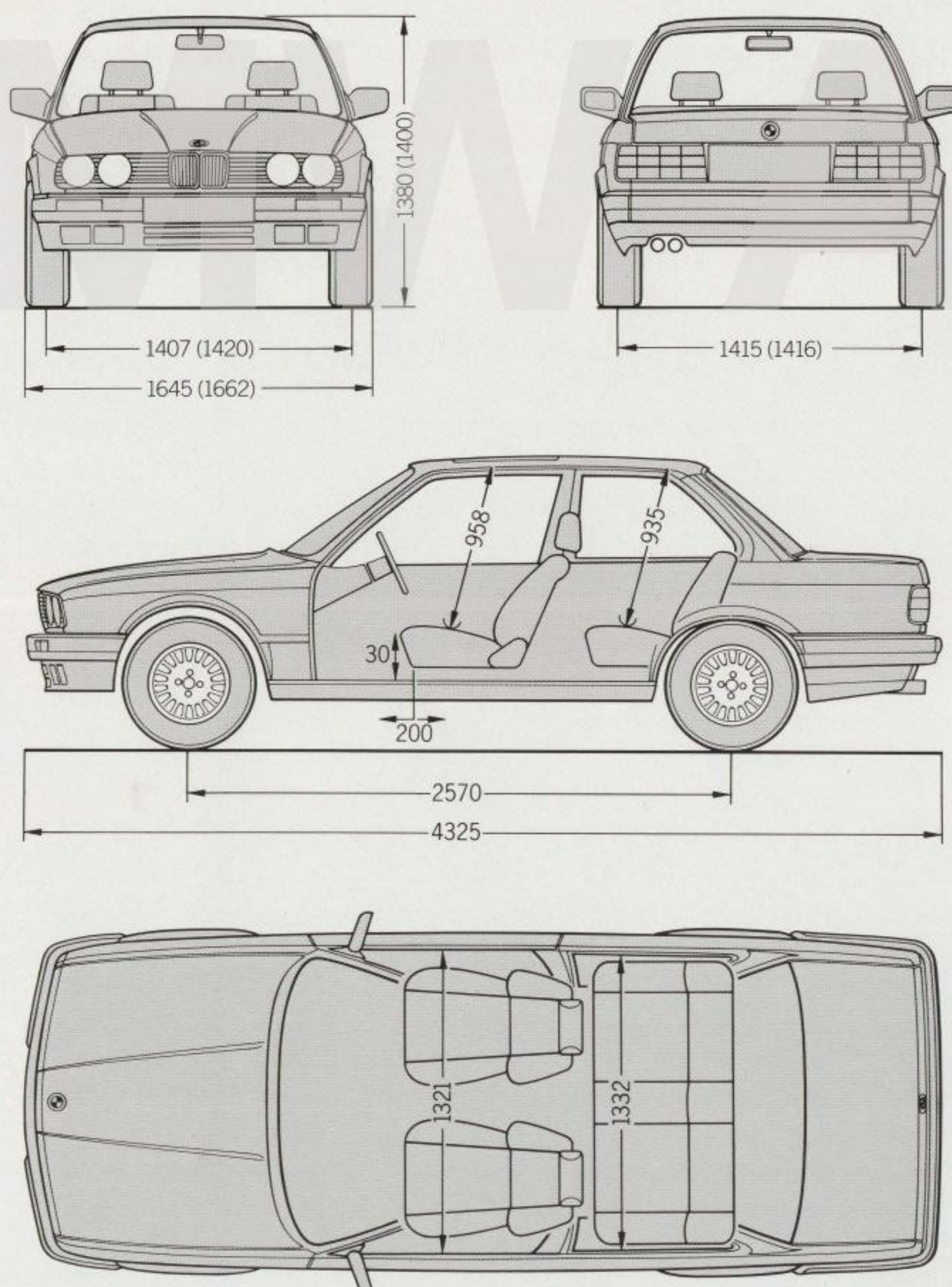
Each 3 Series from the saloon to the touring is available with a wide range of further features to meet your individual requirements. So that you can choose how to further enhance the thrill of driving your 3 Series. With extra comfort provided by leather upholstery and air conditioning. With sports equipment such as a ski-sack. With dynamic trimmings provided by a complete sports package. With the exclusive class of satin chrome and light-alloy wheels. And with the extra safety of ABS and the airbag.

Providing this wide range of individual amenities, the 3 Series makes it particularly pleasant for the discerning individualist to choose his own personal automobile. After all, you have the choice of more than 30,000 different features.

The extra-low 325i with M Technic sports suspension. Satin chrome, wide side-sills, rear air dam, front spoiler and rear wing all finished in body colour. 7 J x 15 light-alloy wheels in cross-spoke styling with 205/55 VR 15 low-profile tyres. Green tinted glass, BMW sports seats and lots more. Available exclusively in diamond-black, dolphin and salmon-silver metallic.



The most important data.



Figures in () apply to the 325iX.

SPECIFICATIONS

316i

318i

WEIGHT			
Unladen	kg	1065 (1085)	1065 (1085)
Max permissible	kg	1525 (1545)	1525 (1545)
Permitted load	kg	460	460
Permitted axle load front/rear	kg	775/845	775/845
Permitted roof load	kg	75	75
Permitted trailer load unbraked/braked*	kg	500/1200	500/1200

ENGINE			
Cylinders		4	4
Capacity	cc	1596	1796
Stroke/bore	mm	72/84	81/84
Nominal output/rpm	kW/bhp/rpm	75/102/5500	85/115/5500
Max torque/rpm	Nm/ft-lb/rpm	143/106/4250	165/122/4250
Output per litre	kW/bhp/ltr	47.0/63.9	47.4/64.5
Torque per litre	Nm/ft-lb/ltr	89.6/66.0	91.9/67.7
Compression ratio/fuel grade	: 1	9.0/regular unleaded	8.8/regular unleaded

TRANSMISSION			
Standard gearbox ratios I/II/III	: 1	3.72/2.02/1.32	3.72/2.02/1.32
IV/V/R	: 1	1.00/0.80/3.45	1.00/0.80/3.45
Final drive ratio	: 1	4.27 (4.45)	4.10 (4.45)

PERFORMANCE			
Top speed	km/h	182 (177)	189 (187)
Acceleration 0-100 km/h	sec	12.1 (14.1)	10.8 (11.8)
Standing-start km	sec	33.7 (35.6)	32.2 (33.6)
Flexibility 80-120 km/h in 4th gear (standard/sports gearbox)	sec	12.5	10.5

FUEL CONSUMPTION			
5-speed standard/sports gearbox			
90 km/h	ltr/100 km	6.0 (6.3)	6.0 (6.4)
120 km/h	ltr/100 km	7.9 (8.2)	7.9 (8.3)
City traffic	ltr/100 km	9.7 (10.1)	9.7 (10.2)
Average	ltr/100 km	7.9 (8.2)	7.9 (8.3)

WHEELS			
Tyre dimensions		175/70 R 14 T	195/65 R 14 H
Wheel dimensions		5 1/2 J x 14	5 1/2 J x 14
Material		Steel	Steel

ELECTRICAL SYSTEM			
Battery capacity	Ah	46	46
Alternator output	A/W	65/910	65/910

* With a max gradient of 12%.
Unladen weight applies to vehicles with standard equipment. Special equipment and optional extras may increase this figure.

SPECIFICATIONS

320i

325i

325iX

1125 (1145)	1180 (1200)	1280 (1300)
1585 (1605)	1640 (1660)	1740 (1760)
460	460	460
820/865	820/905	890/935
75	75	75
500/1200	500/1200	500/1200

6	6	6
1990	2494	2494
66/80	75/84	75/84
95/129/6000	126/171/5800	126/171/5800
174/128/4000	226/167/4000	226/167/4000
47.7/64.9	50.5/68.7	50.5/68.7
87.4/64.4	90.6/66.8	90.6/66.8
9.4/premium unleaded	9.4/premium unleaded	9.4/premium unleaded

3.72/2.02/1.32	3.83/2.20/1.40	3.83/2.20/1.40
1.00/0.80/3.45	1.00/0.81/3.46	1.00/0.81/3.46
4.10	3.64/3.91	3.64/3.91 (3.73)

198 (193)	220 (213)	214 (204)
10.2 (11.5)	8.3 (9.8)	9.0 (10.9)
31.3 (33.1)	28.9 (30.7)	29.9 (32.0)
10.2	8.9/8.1	10.3/9.3

6.7 (6.8)	6.6/7.2 (6.6) [6.6]	7.1/7.6 (7.2) [7.2]
8.7 (8.7)	8.2/8.6 (8.3) [8.3]	8.9/9.3 (9.0) [9.0]
12.3 (12.4)	12.5/12.6 (12.5) [12.4]	12.6/12.7 (12.7) [12.6]
9.2 (9.3)	9.1/9.5 (9.1) [9.1]	9.5/9.9 (9.6) [9.6]

195/65 R 14 H	195/65 VR 14	195/65 VR 14
5 1/2 J x 14	5 1/2 J x 14	6 J x 14
Steel	Steel	Steel

50	65	65
80/1120	80/1120	80/1120

Figures in () apply to vehicles with automatic transmission without EH control.
Figures in [] apply to vehicles with automatic transmission and EH control.
Fuel consumption to DIN 70030, Part 1.



BODYWORK

Two/four-door saloon, monocoque all-steel bodywork welded to the floor assembly, torsionally rigid safety cell on all planes, front and rear crumple zones with pre-determined deformation, integrated roof crossbar, all-round body reinforcement.

Tank capacity 55 ltr (316i/318i), 62 ltr (320i/325i/325iX).

ENGINE

Water-cooled 4-cylinder 4-stroke inline engine, longitudinally mounted and inclined, light-alloy cylinder head, crossflow principle, spherical combustion chambers, overhead camshaft with 5 bearings, crankshaft running in 5 bearings with 8 counterweights.

Digital Motor Electronics III with electronic grid-controlled ignition and grid-controlled air-volume-metered fuel injection, warm-up control grid and automatic choke, self-learning idle speed control, on-board diagnosis with emergency running function.

FROM 320i

Water-cooled 6-cylinder 4-stroke inline engine, longitudinally mounted and inclined, light-alloy cylinder head, crossflow principle, spherical combustion chambers, overhead camshaft with 7 bearings, crankshaft running in 7 bearings with 12 counterweights, torsional vibration damper.

FROM 325i/325iX

Engine oil cooler.

FROM 325iX

Viscous-coupled temperature-related fan with bimetallic spring.

TRANSMISSION/SUSPENSION

Standard drive: engine at the front, power transmission to rear wheels. Hydraulically actuated single-plate dry clutch with automatic adjustment for wear and torsional vibration damper. 5-speed gearbox (top speed in 5th gear).

Single-joint spring strut front axle with anti-dive and anti-roll bar. Semi-trailing arm rear axle (swept back by 15°), anti-squat and anti-dive, separate springs/shock absorbers. Steering with variable transmission ratio, safety steering column.

Brake pressure governor on rear axle, asbestos-free clutch linings and brake pads, fist-calliper disc brakes at the front, self-adjusting drum brakes at the rear, handbrake acting mechanically on rear wheels, flush wheel covers.

316i 318i 320i 325i 325iX

FROM 320i

Twin-sleeve gas-pressure shock absorbers.

Inner-vented disc brakes at the front.

FROM 325i

Sports-tuned suspension with anti-roll bar at the rear, disc brakes front and rear. Handbrake acting mechanically on rear wheels through additional drum brakes.

Anti-lock braking system (ABS).

FROM 325iX

Hydraulically actuated single-plate dry clutch with automatic adjustment for wear, reinforced.

Power divider with viscous lock for permanent four-wheel drive and asymmetric torque distribution: 37% to the front, 63% to the rear. Front-wheel drive by chain-driven auxiliary shaft. Rear axle differential with additional viscous lock.

Single-joint spring strut front axle with modified spring strut angle (caster) for front-wheel drive.

EXTERIOR FEATURES

Twin circular headlights integrated in radiator grille. All-round parking protection through wrap-around bumpers and rubber side strips. Front and rear bumpers impact-proof up to 4 km/h. Integral front air dam, engine compartment lid supported when open by torsion bar and gas-pressure spring.

Laminated windscreen, heated rear window, Chrome strips on rainsill and side window frames. Lockable fuel tank filler cap (one key for all locks) with holder for tank cap on filler flap.

Hollow cavity preservation, undersealing. 6-year warranty against rust perforation provided rustproofing is checked annually.

FROM 325i

Front air dam with opening for engine oil cooler, rear spoiler on luggage compartment lid. Central locking with safety lock.

FROM 325iX

Flared front/rear wheel arches and doorsills finished in body colour.

INTERIOR FEATURES

Full carpeting of entire floor and parcel shelf. Lockable, illuminated glove compartment. Stowage spaces on instrument panel, front and rear centre console, stowage boxes in front doors. Armrests on front doors with integral grab handles. Illuminated safety ashtray for rear seats on centre console. Foam-padded four-spoke steering wheel, dia 380 mm, stick-shift knob secured in position.

Safety padding on front roof pillars. Anti-dazzle safety mirror.

Reclining front seats with fine backrest and seat height adjustment, longitudinal seat adjustment on roller bearings. Front passenger's backrest on two-door model can be released and tipped forward from driver's seat. Front head restraints infinitely adjustable for height and angle, front seats move forward when backrest is tilted to the front (two-door model).

Inertia-reel seat belts at the front with belt retainer and covered roller, bracket for lower anchorage point (two-door model), belt lock anchored on front seats (both inner belt locks on four-door model).

Inertia-reel seat belts at the rear, hip belt in the middle, belt locks recessed in backrest.

Toolbox in luggage compartment lid, spare wheel beneath luggage compartment floor, luggage compartment illuminated and with padded edges for safe loading. Luggage compartment capacity 425 ltr/14.9 cu ft (to VDA standard).

FROM 320i

Full velour carpeting of entire floor and parcel shelf, all-round door upholstery with fabric centre-piece, safety padding above windscreen with recessed sun visors.

Luxurious seat upholstery.

FROM 325i/325iX

Luggage compartment capacity 404 ltr/14.1 cu ft (to VDA standard).

ELECTRICAL SYSTEM

Twin halogen headlights with ellipsoid technology for low beam, built-in rear fog warning light, two reversing lights. Electrically adjustable rear-view mirror.

Instruments and controls grouped in semi-circular layout around the driver. Electronic speedometer, trip counter, quartz clock, Service Interval Indicator, fuel gauge and coolant temperature gauge. Additional warning lights for fuel level, handbrake on, brake pad wear and brake fluid level, oil pressure. Electric screen-washer system with automatic wash/wipe and fingertip control, two wiper speeds, intermittent wipe, operated from steering column, socket for rechargeable torch (optional) in glove compartment.

Heating/ventilation: fresh air heater independent of engine speed, quiet 4-stage blower, defroster nozzles for windscreen and side windows, fresh air supply through 4 outlet grilles at the side and in the middle, cylindrical outlet with a wide range of vertical adjustment, horizontal adjustment and separate on/off control, forced extraction of stale air (rear-seat heating on four-door model).

FROM 318i

Electronic rev counter with Energy Control (fuel consumption gauge). Analogue quartz clock in centre console.

FROM 320i

Check/Control with active display above windscreen for automatic verification with the ignition switched on of low-beam headlights, tail lights, number plate illumination, brake lights, coolant level, screenwasher reservoir level, engine oil level; central indicator light in instrument cluster. Twin-tone horns. Electrically adjustable rear-view mirror on offside door.

FROM 325i/325iX

Lens-technology foglamps integrated in front spoiler, second rear fog warning light. ABS indicator light in instrument cluster. Battery in luggage compartment.

BMW Service.

LIFE-LONG RELIABILITY

To ensure that your BMW always remains in perfect condition, reliable and economic BMW service starts right from the beginning. In the design and development of BMW cars with components and parts that are easy to repair, such as the BMW Service Interval Indicator and BMW On-Board Diagnosis.

After-sales service is guaranteed by a most competent partner: the BMW dealer able to give you the service quality you rightly expect. Highly qualified specialists in modern workshops with the most advanced equipment provide excellent service lauded time and again in neutral tests.

Electronic control systems in the car and at the service station ensure reliable detection and diagnosis of defects. Even temporary, occasional defects are "memo-rised" in the car by the on-board diagnosis system. Then they are detected and clearly displayed at the workshop by the BMW Service Tester for prompt and cost-efficient repair.

It goes without saying that your BMW workshop uses Genuine BMW Parts essential for providing optimum quality, reliability and accuracy to BMW's high standard.

Efficient logistics guarantee that 80,000 different parts are available worldwide within just 24 hours. And since the BMW dealer is committed to the quality of his work and the "Genuine BMW" standard, there is a 12-month warranty on workshop services and Genuine BMW Parts.

Attractive seasonal offers — special service, parts, accessories and lifestyle products — are naturally also available.

Efficient and conscientious repairs give you excellent value for money.

This ensures that your BMW will remain what it is throughout a long running life: the ultimate driving machine.

The models illustrated in this brochure show the specifications for the German market. In part, they include optional equipment and accessories not fitted as standard.

According to the specific requirements of other markets, alterations in models, standard and optional equipment, as described in the text and illustrations, may occur. For precise information, please contact your BMW importer or dealer. Subject to change in design and equipment.



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driving
machine**