

**DINAN E46 3 Series**

**1999-2006**



***Performance Without Sacrifice***

# DINAN SIGNATURE SERIES PACKAGES



## 4 Year / 50,000 Mile Warranty

Contact a Dinan Representative or visit [dinancars.com](http://dinancars.com) for information on the most extensive line of E46 3 Series products available, all backed by the only guarantee that matches the new car warranty coverage up to 4 years or 50,000 miles.

*"Performance without the compromise to drivability or the refinement expected by a BMW owner. This is a Dinan Hallmark."*

*European Car*

## Dinan S-330, 328, 325, 323

Includes: Stage 2 Engine Software; High Flow Intake; Free Flow Exhaust; Front Strut Tower Brace; Automatic Transmission Software (where applicable); Dinan Pedal Pads; Dinan Deck-lid Badge and Serial Numbered Dinan S Plaque.

Dinan S - 330: 238 hp @ 5900 rpm / 224 lb-ft torque @ 3500 rpm

Dinan S - 328: 206 hp @ 5500 rpm / 215 lb-ft torque @ 3500 rpm

Dinan S - 325: 195 hp @ 6000 rpm / 182 lb-ft torque @ 3500 rpm

Dinan S - 323: 183 hp @ 5500 rpm / 197 lb-ft torque @ 4000 rpm

## Dinan S1-330, 328, 325, 323

Includes: Stage 2 or 3 Engine Software; High Flow Intake; Free Flow Exhaust; High Flow Throttle Body\*\*; Automatic Transmission Software (where applicable); Front Strut Tower Brace; Rear Shock Tower Brace\*; Stage 1 Suspension; Dinan Pedal Pads; Dinan Deck-lid Badge and Serial Numbered Dinan S1 Plaque.

Dinan S1 - 330: 240 hp @ 5900 rpm / 224 lb-ft torque @ 3500 rpm

Dinan S1 - 328: 206 hp @ 5500 rpm / 215 lb-ft torque @ 3500 rpm

Dinan S1 - 325: 197 hp @ 6000 rpm / 182 lb-ft torque @ 3500 rpm

Dinan S1 - 323: 183 hp @ 5500 rpm / 197 lb-ft torque @ 4000 rpm



## Dinan S2-330, 328, 325, 323

Includes: Stage 2 or 3 Engine Software; High Flow Intake; Free Flow Exhaust; High Flow Throttle Body\*\*; Automatic Transmission Software (where applicable); Front Strut Tower Brace; Rear Shock Tower Brace\*; Stage 2 Suspension; 3.15 Differential (Manual)†; Dinan Pedal Pads; Dinan Deck-lid Badge and Serial Numbered Dinan S2 Plaque.

Dinan S2 - 330: 240 hp @ 5900 rpm / 224 lb-ft torque @ 3500 rpm

Dinan S2 - 328: 206 hp @ 5500 rpm / 215 lb-ft torque @ 3500 rpm

Dinan S2 - 325: 197 hp @ 6000 rpm / 182 lb-ft torque @ 3500 rpm

Dinan S2 - 323: 183 hp @ 5500 rpm / 197 lb-ft torque @ 4000 rpm

\* Not available for convertibles.

\*\* Included in 330 and 325 packages only.

† Except 325

*Components available separately.*

# ENGINE PERFORMANCE

## Performance Engine Software

2 Badge Points

Dinan performance software recalibrates the engine management systems for snappier throttle response, increased power output and improved drivability. The rev-limiters are increased by 240 to 275 rpm and the factory top-speed governors are removed. Stages 2 and 3 engine software are also available for use with specific combinations of Dinan products, ensuring the best possible performance and drivability.

330: +6 hp / +7 lb-ft torque\*

325: +7 hp / +8 lb-ft torque\*

328: +6 hp / +7 lb-ft torque\*

323: +8 hp / +11 lb-ft torque

\*When installed in combination with a K&N free-flow replacement air filter element.

## Free Flow Exhaust

3 Badge Points

Reduced weight, 100% 304-stainless steel construction, a great sporty exhaust note and superior flow make for the best performing E46 3 Series mufflers on the market. Larger polished stainless steel tips give the cars a tasteful high performance look unlike any other.

330: +5 hp / +4 lb-ft torque

325: +4 hp / +3 lb-ft torque

328: +5 hp / +4 lb-ft torque

323: +4 hp / +3 lb-ft torque



## High Flow-Cold Air Intake Systems

3 Badge Points

Dramatically improves the 3 Series engines' ability to breathe for more power and improved throttle response. For the 330 and 325, the systems replace the stock air-box lid in order to accommodate a larger, high flow filter and effectively insulate the system from power-robbing heat. An additional ram-air intake duct increases pressurization and air-flow for maximum power gains. Stage 2 Engine Software is highly recommended for optimum power and drivability.

For the 328 and 323, the Dinan intake systems replace the stock air box completely, drawing cool air in through a large diameter aluminum tube that is relocated outside the engine compartment to a high-pressure area behind the front bumper.

330: +11 hp / +9 lb-ft torque

325: +7 hp / +6 lb-ft torque

328: +11 hp / +9 lb-ft torque

323: +8 hp / +7 lb-ft torque



## High Flow Throttle Bodies

2 Badge Points

Dinan carefully bores brand new BMW throttle bodies to a larger internal diameter for further improvement in air-flow, increasing power output and providing more immediate throttle response. Matching Stage 3 Engine Software is highly recommended for optimum performance and drivability.

330: +6 hp / +5 lb-ft torque

325: +5 hp / +4 lb-ft torque



# SUSPENSION AND CHASSIS



## Front Strut and Rear Shock Tower Braces

Front: 2 badge pts. / Rear: 1 badge pt.

As attractive as they are effective, the braces feature strong yet lightweight CNC machined aluminum with carbon fiber inlays, enhancing chassis rigidity for improved handling and sharper steering response. Install with any Dinan suspension system or the stock components. The rear brace center section is easily removed when maximum trunk space is desired.

## 19" Lightweight Forged Wheels

5 badge pts. – set of four

Dinan wheels accommodate large 245/35-19 tires front and rear, dramatically increasing overall grip as well as reducing understeer for razor sharp turn-in. At just 19.5 lbs. each, they are the lightest and strongest 19x9" wheels to be found, improving handling, braking and even ride quality.





## Suspension Systems

5 badge points

Dinan suspension systems offer the grip that enthusiasts demand while maintaining a comfortable, well-dampened ride. Comprised of fully matched proprietary springs, shocks, antiroll bars and camber plates, the systems provide comprehensive, pre-tuned suspension solutions that take the guesswork out of superior handling without compromising the civility expected of a BMW. Three complete suspension systems are available, each offering increasing levels of high performance handling.

**Stage 1 Suspension:** Performance Spring Set, Adjustable Struts and Shocks, Matching Bump Stops.

**Stage 2 Suspension:** Adds Larger, Adjustable Antiroll Bars to Stage 1 Spring and Shock Package.

**Stage 3 Suspension:** Adds Front Camber Plates to the Stage 2 Springs, Shocks and Antiroll Bars.

## Mono-Ball Rear Trailing Arm Bushings

1 badge point

Precision machined mono-ball replacement trailing arm bushings dramatically reduce the deflection inherent with the stock rubber units for more precise and predictable cornering. The extremely robust design features a significantly larger ball and housing than competing products, providing more surface area for greater load capacity. A special Teflon coating provides virtually noise free performance.



## Dinan Performance Brakes by Brembo

3 badge points

Dinan and Brembo have teamed up in order to offer ultimate stopping power for the 3 Series while maintaining the quiet operation, pedal feel and wear indicator systems that are appropriate for street applications. The brakes feature massive 4-piston aluminum calipers with your choice of slotted or drilled two-piece rotors. The systems also include Goodridge stainless steel brake lines. Kits are available for all four wheels or the front only.

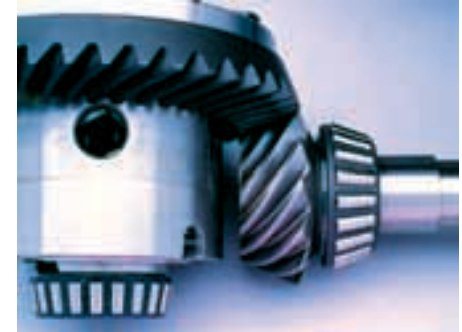
## DRIVELINE



## Performance Automatic Transmission Software

1 badge point

Dinan transmission software raises the shift points in order to achieve greater road speed in each gear and get the most from the engine software. Shifts are also made quicker, further improving acceleration.

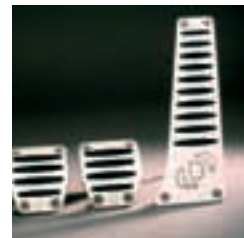


## 3.15 Differential (330, 328 and 323 Manuals)

2 badge points

Dinan lowers the 330 or 328's 2.93 final drive gearing to a 3.15:1 ratio, taking full advantage of torque multiplication for up to a 7.5% increase in torque delivered to the wheels. The shorter ratio provides faster acceleration in every gear with only a minor increase in engine speed at cruise.

## ACCESSORIES



## Dinan Pedal Pads

1 badge point

Stylish spun aluminum pedal pads with anti-slip rubber inserts feature the Dinan logo, adding a great high performance look to the interior of your 3 Series. Available for manual and automatic applications.



## Signature Floor Mats

Signature floor-mat sets featuring an embroidered Dinan logo are available for the 3 Series in your choice of carpet and logo colors.



## The Dinan Badge

The Dinan badge cannot be purchased but rather is provided at no charge when your Dinan performance selections total 10 points, making your Dinan enhanced BMW as exclusive as it is exciting to drive.

# DINAN Powered Win at the 2007 Miami Grand Prix!



*First in BMW performance.*

*First across the finish line.*



DINAN

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