

5 Series Gran Turismo



The Ultimate
Driving Experience.®

550i



BMW 5 SERIES GRAN TURISMO.

MY2010 PRODUCT GUIDE.

All specifications subject to change without prior notice.

2010 - 5 Series Gran Turismo

Technical Specifications

	550i
Dimensions (mm)	
Length/Width/Height	4999 / 1901 / 1559
Wheelbase	3070
Turning circle (m)	12.2
Track, front/rear	1611 / 1654
Interior width, front/rear	1506 / 1466
Headroom, front/rear	1051 / 991
Leg room, front/rear	1030 / 1062
Luggage capacity (L)	440-1700
Fuel capacity (L)	70

Weight (kg)	
Curb weight	2240
Weight distribution, front (%)	50.2
Weight distribution, rear (%)	49.8
Max. gross weight	2710
Max. payload	460
Max. axle load, front/rear	1280 / 1490
Max. roof load	75

Engine	
Type	TwinPower Turbo DOHC V8 32V
Engine management system	MSD 85.1
Displacement (cm ³)	4395
Bore and stroke (mm)	89.0 x 88.3
Power (SAE hp @ rpm)	400 @ 5500-6400
Torque (lb/ft @ rpm)	450 @ 1750-4500
Compression ratio	10.0
Fuel grade	Premium unleaded



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Technical Specifications

	550i
Drivetrain	
Drive configuration	Front engine
	Rear-wheel drive
Transmission type	8-A
Gear ratios (:1)	
- 1st	4.70
- 2nd	3.13
- 3rd	2.10
- 4th	1.67
- 5th	1.29
- 6th	1.00
- 7th	0.84
- 8th	0.67
- Reverse	3.30
- Final drive ratio	3.08

Body / Suspension	
Steering type	Rack & Pinion
Steering ratio	19.1
Braking system	4 channel ABS
Front brake type / diameter (mm)	Ventilated disc / 374
Rear brake type / diameter (mm)	Ventilated disc / 370
Suspension, front	Aluminum Double Wishbone
Suspension, rear	Aluminum 4-link Integral
Drag coefficient	0.32
Tire size, front	245/45 R 19
Wheel size, front	8.5J x 19
Tire size, rear	275/40 R 19
Wheel size, rear	9.5J x 19

Electrical	
Battery capacity (amp-hrs)	90
Alternator output (amps/watts)	210 / 2940

Performance	
Top speed, electronically limited (km/h)	240
Acceleration 0-100 km/h, (sec.)	5.7

Fuel Consumption	
City (L/100km)	14.4
Highway (L/100km)	9.1
Combined (L/100km)	12.0



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2010 - 5 Series Gran Turismo

Features & Amenities

		550i
Technical Features	Technical	
	Twin Turbochargers (TwinPower technology)	■
	High Precision Injection	■
	Dynamic Driving Control, with three settings (Normal, Sport and Sport +)	■
	Front and rear anti-roll (stabilizer) bars	■
	Fully electronic "drive-by-wire" throttle system	■
	Servotronic, vehicle-speed-sensitive power steering	■
	Self-Levelling Air Suspension, rear	■
	Efficient Dynamics	
	8-speed automatic transmission	■
	Aluminum roof and engine compartment lid	■
	Aluminum doors and rear tailgates	■
	Brake Energy Regeneration	■
	Double VANOS	■
	Electronically controlled engine cooling	■
	Aluminum engine crankcase	■
Safety & Protection	Lighting	
	BMW Active Xenon Technology	
	- Adaptive headlights	■
	- Automatic headlights	■
	- Cornering lights	■
	- Xenon headlights, low and high-beam	■
	Halogen front and rear fog lights	■
	Headlight washers	■
	Handle-area illumination	■
	Follow-me-home function, pathway illumination	■
	LED Lighting Technology	
	- Corona rings for daytime driving lights	■
	- Front and rear turn signals	■
	- Brake lights with brakeforce display	■
	- Rear light conductors	■
	Active Safety	
	Anti-Lock Braking System (ABS)	■
	Dynamic Stability Control (DSC), with extended functionality	
	- Brake assist	■
	- Brake fade compensaion	■
	- Brake pre-drying	■
	- Corner Brake Control (CBC)	■
	- Dynamic Braking Control (DBC)	■
	- Dynamic Traction Control (DTC)	■
	- Electronic Brakeforce Distribution (EBD)	■
	Electric safety belt pre-tensioners	■
	Electromechanical Parking Brake with automatic hold function	■
	Heated exterior mirrors, electrically adjustable	■
	Heated windshield washer jets	■
	Park Distance Control, front and rear	■
	Rain sensing windshield wipers, vehicle-speed sensitive	■
	Tire Pressure Warning (TPW)	■
	Airbags	
	Advanced Head Protection System (AHPS), front and rear	■
	Adaptive Front airbags , including occupant detector	■
	Side thorax airbags for driver and front passenger	■
	Vehicle Protection	
	Alarm system	■
	Central remote locking including fuel filler door	■
	Coded driveway protection	■
	Multi-function remote control	■

■ Standard □ Optional

2010 - 5 Series Gran Turismo

Features & Amenities

		550i
Safety & Protection	Passive Safety	
	Active anti-whiplash front headrests	■
	Crash sensor	
	- Fuel pump shut-off	■
	- Battery Safety Terminal	■
	- Hazard Light Activation	■
	- Interior lighting activation	■
	- Door Unlock	■
	Crumple Zones, front sub-frame & bulkhead, floor pan, side frame and roof	■
	Load-bearing structures reinforced with multiphase hot-formed steel	■
	Rear headrests, outer positions adjustable	■
	Safety belt force limiters with pyrotechnical tensioning system, front	■
	Side impact protection door reinforcements	■
Exterior Features	Exterior	
	Auto-dimming exterior mirrors, power folding with memory	■
	Automatic operation of large tailgate	■
	Comfort Access	■
	Frameless door windows	■
	Front ornamental grille with chrome-plated kidney bars	■
	Roof moulding in body colour	■
	Side window frame trim, chrome-plated	■
	Two-piece tailgate, with small and large openings	■
	Twin chromed trapazoid tailpipes	■
	White turn signal indicator lenses	■
Interior Features	Comfort & Convenience	
	Auto-dimming interior mirror	■
	BMW ambiance lighting	
	- Front and rear door panels and pockets	■
	- Dashboard below wood trim	■
	- Rear of front seat backrests	■
	- Door entry sills with "BMW", illuminated	■
	- Soft interior LED lighting integrated into roof liner	■
	- Interior reading lights	■
	Car/Key memory	■
	Central lock switch	■
	Clothes hook, B-pillar	■
	Cupholders, integrated in front centre console and rear armrest	■
	Driver memory system, 2 positions	■
	Dynamic cruise control with braking function	■
	Panorama Glass roof, electric with electric sunshade	■
	Glove Compartment	■
	Heated steering wheel	■
	Interior electric trunk release, for small trunk lid	■
	Personal Profile, storage of vehicle settings downloadable via USB	■
	Multi-function leather steering wheel, 3-spoke	■
	Storage compartment in centre console, front and rear with lid	■
	Sun visors with illuminated vanity mirrors	■
	Tilt/telescopic steering wheel, power with auto tilt-up and memory	■
	Tool kit	■
	Universal garage door opener	■
	Window lifts electric, anti-trap and comfort open/close	■
	Seating	
	Electric seats, front, 8-way power adjustable with comfort entry/exit	■
	Heated front seats, 3 stage	■
	Lumbar support for driver and passenger, 4-way	■
	Manually adjustable rear seats, fore-aft position and backrest angle	■
	40:20:40 split folding rear seat	■
	5 passenger seating	■
	Upholstery: Dakota Leather	■
	Climate Control	
	Automatic Air Recirculation with activated carbon micro filter	■
	Dual zone automatic air conditioning	■
	Solar and Fogging sensor	■
	Sun protection glazing, green	■

■ Standard □ Optional

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Features & Amenities

		550i
Interior Features	Entertainment	
	Anti-theft AM/FM tuner with RDS	■
	Auxiliary input, front centre console storage compartment	■
	DVD drive, in-dash with MP3 and multi-channel playback capability	■
	Premium HiFi Sound System	
	- 16 speakers including 2 subwoofers	■
	- 600W multi-channel amplifier	■
	- 7-band graphic equalizer with Dirac Live™	■
	Hard Disc Media Storage (12GB):	
	Non DRM protected files (MP3, WAV, WMA and AAC/M4A)	■
	Gracenote® Media Database	■
	High Definition Radio Tuner	■
	Pre-wiring for SIRIUS satellite radio tuner	■
	USB Audio Integration, including y-cable for iPod	■
	Communication	
	Bluetooth® wireless technology	■
	BMW Assist with 1-year Safety and Security subscription	■
	- Advanced Automatic Collision Notification	■
	- Customer Relations function	■
	- Destination Download (Advanced Concierge)	■
	- Emergency Request	■
	- Enhanced BMW Roadside Assistance	■
	- MyInfo Send-To-Car (Google)	■
	- Remote Door Unlock	■
	- Stolen Vehicle Recovery	■
	Navigation System, Hard Disk Based	■
	Voice Control, including telephone, navigation and audio functions	■
	Instrumentation	
	Check control vehicle monitor system with Condition Based Service	■
	Black Panel Technology	■
	iDrive with 10.2" high resolution LCD display	■
	On-board computer	■
	Electronic owners manual integrated into iDrive system	■
	Eight programmable memory keys	■

■ Standard □ Optional

2010 - 5 Series Gran Turismo

Wheels & Tires

	Standard	Sport Package
550i		
	<p>Star Spoke - Style 272</p> <p>8.5J x 19 Front / 9.5J x 19 Rear</p> <p>245/45 R 19 Front / 275/40 R 19 Rear</p> <p>Performance Run-Flat Tires*</p>	<p>Double Spoke - Style 316</p> <p>8.5J x 20 Front / 10.0J x 20 Rear</p> <p>245/40 R 20 Front / 275/35 R 20 Rear</p> <p>Performance Run-Flat Tires*</p>

* Not recommended for winter use. Increased treadwear is normal for performance tires.

2010 - 5 Series Gran Turismo

Paint, Upholstery & Trims

			Metallic Paint										Non-Metallic Paint	Interior Trim			
			Comfort Seat	Key Number	Titanium Silver	Black Sapphire	Space Grey	Deep Sea Blue ¹	Neptune Blue	Imperial Blue ¹	Dark Graphite ¹	Orion Silver	Alpine White	Dark Ash Wood Trim, High Gloss	Light Ash Wood Trim, High Gloss	Anthracite Ash Wood Trim, High-Gloss	Fineline Wood Trim, Natural
Model	Upholstery	Colour			354	475	A52	A76	A72	A89	A90	A92	300	4BN	4B5	4CA	4CB
550i	Dakota Leather	Veneto Beige	■	LCDF	■	■	■	■	■	■	■	■	■	S	O	O	O
		Ivory	■	LCEW	■	■	■	■	■	■	■	■	■	S	O	O	O
		Cinnamon ¹	■	LCEZ	■	■	■	■	-	■	■	■	■	S	-	O	-
		Black	■	LCSW	■	■	■	■	■	■	■	■	■	S	O	O	O

¹ Available only as of 11/09 production

■ = Recommended
- = Not Recommended

S = Standard
O = Optional

2010 - 5 Series Gran Turismo

Colour linked parts

	Dakota Leather			
	Veneto Beige LCDF	Ivory LCEW	Cinnamon LCEZ	Black LCSW
Seat centre parts ¹	Veneto Beige	Ivory	Cinnamon	Black
Seat side panels ¹	Veneto Beige	Ivory	Cinnamon	Black
Rear of seat back	Veneto Beige	Ivory	Cinnamon	Black
Seat Belts	Veneto Beige	Ivory	Black	Black
Upper Door trim	Black	Black	Black	Black
Door panel inserts ¹	Veneto Beige	Ivory	Cinnamon	Black
Lower door trim	Veneto Beige	Black	Black	Black
Door handles	Pearl-gloss Chrome	Pearl-gloss Chrome	Pearl-gloss Chrome	Pearl-gloss Chrome
Armrest front and rear ¹	Veneto Beige	Ivory	Cinnamon	Black
Instrument panel upper trim section	Black	Black	Black	Black
Instrument panel lower trim section	Veneto Beige	Ivory	Cinnamon	Black
Centre console	Veneto Beige	Ivory	Cinnamon	Black
Floor carpet	Veneto Beige	Anthracite	Anthracite	Anthracite
Partition behind rear seats	Veneto Beige	Anthracite	Anthracite	Anthracite
Luggage Compartment	Veneto Beige	Anthracite	Anthracite	Anthracite
Rear parcel shelf	Oyster	Oyster	Everest Grey	Everest Grey
Roof liner	Oyster	Oyster	Everest Grey	Everest Grey

¹ Items in Leather

Model Code	Car Model	Restrictions
SN43	550i Gran Turismo with 8 Speed Automatic Transmission	Start Date 03/09

Option Code	Packages	Restrictions
ZGQ	Executive Package	MANDATORY FOR 11/09 PRODUCTION
3AG	Rear View Camera	
416	Electric Side Sunshades	
453	Ventilated Seats, Front	
455	Active Seats, Front	
456	Comfort Seats, Front	
496	Heated Seats Rear	
4NB	Automatic 4-Zone Climate Control	Includes additional air vents in B-pillar
610	Head-Up Display	
655	SIRIUS Satellite Radio Tuner	Includes 1 year subscription to SIRIUS Satellite Radio
ZGR	Rear Comfort Seats	Only with Executive Package
454	Ventilated Seats, Rear	
460	Comfort Seats, Rear	Includes rear center console and power folding rear seats; deletes center seat
ZGS	Technology Package	Only with Executive Package
5AD	Lane Departure Warning	
5AG	Active Blind Spot Detection	
5DK	Side View Camera	
ZJG	Multimedia Package	
696	6-disc DVD Changer	
6FH	Rear Entertainment System	Dual 9.2" displays, Remote control, Rear DVD drive and Dual Auxiliary Inputs
ZFT	Dynamic Handling Package	
223	Electronic Damper Control	
229	Dynamic Drive (Active Roll Stabilization)	
2VA	Adaptive Drive	
ZGU	Sport Package	
255	Sport Steering Wheel	
2B2	20" Double Spoke Alloy Wheels - Style 263	
	Performance Run-Flat Tires: 245/40 R 20 & 275/35 R 20	
760	High Gloss Shadow Line	
775	Anthracite Roof Liner	

Option Code	Optional Equipment	
CODE	Metallic Paint	Order by colour code
CODE	Dakota Leather	
2VH	Integral Active Steering	
4B5	Ash Wood Trim, High Gloss	
4CA	Ash Wood Trim, Anthracite	
4CB	Fineline Wood Trim, Natural	
4UY	Ski and Snowboard Bag	
6UK	Night Vision with Pedestrian Detection	
ZED	European Delivery	Includes Velour Floor Mats, Warning Triangle & First Aid Kit
ZSP	Special Orders	
	Administrative fee for ordering special colours, interiors or equipment.	
	Prices for special orders will be quoted at wholesale prices only.	

PRICES AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE
PRICES AT DATE OF DELIVERY WILL APPLY
LOCAL FREIGHT AND RETAILER PREPARATION ARE NOT INCLUDED
RETAILERS MAY SELL FOR LESS