




ENGLISH

INEOS AUTOMOTIVE GRENADIER PRESS PACK



ENTER 

INEOS
GRENADIER

“The idea behind the Grenadier is to develop a 4X4 that will be an uncompromising, no frills, no fuss vehicle that provides the best-in-class off-road capability, durability and utility. It will support those who depend on a vehicle as a working tool, wherever they are in the world. INEOS Automotive set out a vision to build the world’s best utilitarian 4X4, and we have done just that.”

Sir Jim Ratcliffe, INEOS Chairman and founder of INEOS Automotive



Learning from the best off-roaders of the past and partnering with world-leading suppliers, INEOS Automotive has designed a true utilitarian workhorse.

Combining rugged British spirit and design with German engineering rigour, the Grenadier is a truly uncompromising 4X4 built from the ground up. It is a built-on-purpose vehicle, with serious off-road capability, that prioritises function over form. It is designed, engineered and built to world-class standards, and features award-winning engines, a ladder-frame chassis, permanent four-wheel-drive, solid beam axles and up to three locking differentials.

Engineered to overcome all conditions, it provides best-in-class off-road capability, durability, and reliability to those who depend on a vehicle as a working tool, wherever they are in the world.

The Grenadier is comfortable, practical, durable and reliable, meeting the expectations of the 21st century 4X4 driver.

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1

INEOS AUTOMOTIVE

ONE MAN'S VISION

THE STORY OF THE GRENADIER
KEY FACTS AND FIGURES

THE STORY OF THE GRENADIER

In 2017, INEOS Chairman Sir Jim Ratcliffe, a motoring enthusiast and experienced adventurer, identified a gap in the market for a stripped back, utilitarian, hard-working 4X4 engineered for modern day compliance and reliability.

The idea to manufacture a vehicle from scratch was developed by Sir Jim and some friends in their favourite pub, The Grenadier in Belgravia, London, which inspired the vehicle's name. INEOS Automotive Limited was formed and a senior team of automotive professionals assembled to bring the vision to reality with a fresh perspective of 4X4 development and manufacturing.

The Grenadier has come to life over the last five years, combining rugged British spirit and design with German engineering rigour. The team has not wavered in its razor-sharp focus on remaining true to Sir Jim's original vision. The Grenadier will provide best-in-class off-road capability, durability, and reliability to those who depend on a vehicle as a working tool, wherever they are in the world.

Legend has it that the Grenadier pub is named after young Cedric, a soldier who was caught cheating at cards and punished by being beaten to death. No one knows exactly when this ghastly deed occurred, but it is thought to have been in September as that is when ghostly happenings are rife. Visitors hang money from the ceiling in an attempt to pay his debt, but poor Cedric seems to remain trapped on earth.

KEY FACTS AND FIGURES

IN BRIEF

Combining rugged British spirit and design with German engineering rigour, the Grenadier is a truly uncompromising 4X4 from the ground up. It is designed, engineered and built to world-class standards for those needing a stripped back, no-nonsense workhorse, but still with the comfort, safety, refinement and standard features that today's drivers expect.

INEOS

INEOS is the world's third largest chemical company. It employs 26,000 people in 36 individual business units and 194 manufacturing facilities in 29 countries.

MODELS

The Grenadier is available as a five-seat Station Wagon, and a Utility Wagon with the choice of a two-seat or five-seat layout, depending on market availability. The standard variants of each model are a blank canvas ready to be configured for the exact needs of customers.

BELSTAFF EDITIONS

The Fieldmaster Edition is a Grenadier created specifically for adventurous owners who will use their vehicle to get them and their kit to wherever they want to go. The Trialmaster Edition been specified with extreme off-roading in mind.

DESIGN

The Grenadier's exterior design is clear, simple and straightforward - a timeless and instantly recognisable form, dictated by the purpose of the vehicle, with substance informing style. It is boxy to maximise space efficiency. Wheels are positioned at the corners of the chassis to minimise body overhang for better off-road capability. Simple lines are punctuated only by practical features and no superficial styling.

CABIN

The interior of the Grenadier is functional, intuitive and comfortable. Where possible it favours analogue over digital, with clearly labelled and well-spaced buttons and chunky dials on both the Central Control System and its aircraft-inspired overhead control panel.

LADDER FRAME CHASSIS

The backbone of the Grenadier is a full box-section ladder frame chassis. Simple, strong and stable, it's designed to withstand daily punishment in all conditions. Its steel section is up to 3.5mm thick for outstanding rigidity and stiffness.

SOLID BEAM AXLES

The Grenadier's heavy-duty solid beam axles are strong, straightforward, and built to last. They were developed in partnership with Carraro, an expert in heavy-duty tractor axles.

TRANSFER CASE

Torque and power are sent to the front and rear axles via an INEOS-designed two-speed transfer case built by industry transmission leader Tremec. The manually-operated two-speed transfer case features a built-in centre differential which is lockable in both high and low range.

OPTIONAL DIFFERENTIAL LOCKS

In addition to the standard centre locking differential in the transfer case, front and rear electronically actuated diff locks are optionally available.

ENGINES

Depending on market availability, the Grenadier is powered by a choice of BMW 3.0-litre turbo-charged inline six-cylinder petrol or diesel engines, which have been extensively revised and recalibrated for this application.

TRANSMISSION

All Grenadiers feature an eight-speed automatic gearbox from industry transmission leader, ZF. Recalibrated and fine-tuned by Magna-Steyr, the gearboxes feature a heavy-duty torque converter specifically for off-road work.

SUSPENSION

The Grenadier is set up to provide dynamic handling and a comfortable ride, whatever the load or road. This is provided by progressive coil springs, robust anti-roll bars, and a sophisticated five-link setup, with a pair of longitudinal links either side of the axle and a Panhard rod.

BRAKES

Developed with Brembo, the Grenadier's brake system delivers confidence-inspiring performance. The 316 mm vented front discs are gripped by twin piston calipers, and the 305 mm rear solid discs are actuated by single piston calipers.

STEERING

The recirculating ball steering layout features hydraulic assistance and has 3.85 turns between locks for a 13.5-metre kerb-to-kerb turning circle.

UNCOMPROMISED OFF-ROAD ABILITY

Starting with a clean-sheet brief enabled INEOS Automotive's designers and engineers to create an uncompromising off-roader with a meticulously selected suite of key components. The result is an off-roader that is designed, developed and engineered to deliver exceptional off-road ability straight out of the box.

EVERYDAY TRANSPORT

Whether crossing a continent, tackling a daily commute, or taking a long-anticipated family trip, the combination of high levels of refinement, a spacious and airy cabin, intelligently configured controls, excellent visibility, comfortable Recaro seats, and phone connectivity makes the Grenadier excellent everyday transport.

PAYLOAD

The Grenadier offers a braked 3.5-tonne towing capacity, more than 2000 litres of load space and 5.5 tonnes of winching power for recovering themselves or others. Payload on European models ranges from 689kg on a fully optioned diesel Trialmaster Station Wagon to 871kg for a base two-seat petrol Utility Wagon.

SAFETY

Developed to deliver optimal performance in both on-road and off-road environments, the Grenadier is equipped as standard with all the key safety systems required for it to meet its target sales markets.

INFOTAINMENT AND NAVIGATION

A comprehensive suite of infotainment and navigational features Android™ Auto and wireless Apple CarPlay® as standard, with Bluetooth connectivity and voice control for hands-free calls. Pathfinder off-road navigation is a bespoke, waypoint-based guidance system.

ACCESSORIES

INEOS Automotive offers a wide range of factory-fit options, and an extensive choice of accessories that were developed in-house alongside the Grenadier to appeal to different customers and markets.

HAMBACH

INEOS Automotive's Hambach plant is a state-of-the-art 210,000 sqm facility that employs a highly experienced direct workforce of over 1,000. Since acquiring Hambach from Mercedes-Benz in January 2021, INEOS Automotive has invested over €50m in addition to the €470m invested at the site in 2019.

DEVELOPMENT

The Grenadier's development programme saw 350 world-class engineers subject development and prototype vehicles to a rigorous, global testing schedule, covering 1.1 million miles / 1.8 million kilometres in 15 countries, in all climates and across all terrains.



2.

GRENADIER

ABOUT INEOS GROUP

ABOUT INEOS

INEOS SPORT

INEOS CONSUMER BRANDS

INEOS is the world's second largest chemicals company. It employs 25,000 people in 36 individual businesses units covering the chemical, energy, oil and gas industries, as well as a number of consumer brands and sporting partnerships. The Group operates 184 facilities in 31 countries. From paint to plastics, textiles to technology, medicines to mobile phones, materials manufactured by INEOS enhance almost every aspect of modern life.

25,000
EMPLOYEES

36
INDIVIDUAL
BUSINESSES

184
SITES
WORLDWIDE



INEOS SPORT

INEOS Sport brings together some of the best minds and talent in global sport across Formula One, cycling, sailing, football, rugby, and running. Working together, the teams are able to unlock performance gains to support their ambitions on the road, the pitch, the track and the water, helping extraordinary athletes achieve extraordinary things.

Through grit, determination and rigour, INEOS Sport teams lead from the front, take technology and human performance to the next level, and never shy away from a challenge – traits that are common across the INEOS Group.



FORMULA ONE

INEOS is proud to be Principal Partner to the eight times Constructors World Champions Mercedes-AMG Petronas F1 Team. World-beating, they have consistently shown they are at the forefront of technical innovation and human performance. INEOS is now a one-third shareholder of the team which is owned in three equal parts by Mercedes-Benz Group AG, INEOS and Toto Wolff.



CYCLING

INEOS Grenadiers is one of the world's most successful cycling teams. Seven-times Tour de France winners, two-times Giro d'Italia winners, two-times Vuelta a España winners - the INEOS Grenadiers continue to lead the way in the world of professional cycling. The team has a thirst for a challenge and a pioneering spirit that allows them to keep pushing themselves and the wider sport of cycling forward.



SAILING

INEOS Britannia, led by Sir Ben Ainslie, is the Challenger of Record for the 37th America's Cup and was the British Challenger to the 36th America's Cup in Auckland in 2021. INEOS is supporting INEOS Britannia as the team aims to make history by bringing the America's Cup back to Britain for the first time in its 170-year history.



FOOTBALL

INEOS owns French Ligue One side OGC Nice, Swiss Super League side FC Lausanne-Sport and works with partner club Racing Club Abidjan of Ivory Coast Ligue One. The ambition is to have successful and sustainable football clubs with success in their respective leagues with the ability to reach European competition. A key focus is on the development of top young talent across all the clubs, providing the critical pathways for their development.



RUGBY

INEOS is Official Performance Partner to the world's most successful men's international rugby team, the All Blacks and New Zealand's 'Teams in Black', including Black Ferns, All Blacks Sevens, Black Ferns Sevens, Māori All Blacks, All Blacks XV and New Zealand Under 20. The six-year partnership officially kicked off on 1 January 2022.



INEOS 1:59 CHALLENGE

Bringing together top talent from across the INEOS sporting family, and driven by grit, determination and rigour, the INEOS 1:59 Challenge supported Eliud Kipchoge to take on one of the last remaining barriers in modern athletics - breaking the two-hour barrier in the marathon. Following a perfectly executed strategy devised by Sir Dave Brailsford and the INEOS 1:59 Performance Team, Eliud became the first person to achieve the barrier-breaking sub-two-hour marathon, finishing in a remarkable time of 1:59:40.2.



INEOS CONSUMER BRANDS



INEOS HYGIENICS

INEOS Hygienics was created in response to the outbreak of the COVID-19 pandemic. When doctors, nurses and front-line staff desperately needed hand sanitiser, INEOS built six factories each in under ten days, to produce millions of bottles to supply thousands of hospitals free of charge. With production ramped up and initial peak demand met, the obvious next step for the world's largest manufacturer of high purity synthetic ethanol was to protect the wider public directly. As a rapidly evolving dedicated Hygiene business, INEOS now has a range of hospital grade hand gels, sanitiser sprays, wipes and dispensers available for retail sale.



BELSTAFF

One other INEOS business already well-known to consumers is iconic British fashion-label Belstaff. Emblematic of Britain's rich motor racing and sporting heritage, the brand is best known for its waxed motorcycle jackets, worn by Lawrence of Arabia as well as Steve McQueen in *The Great Escape*. Synonymous with enduring style and function and with a strong racing pedigree, the brand has proven a natural fit with INEOS's sporting elite.

3.

A MODEL RANGE

BUILT ON PURPOSE

ALL BASES COVERED

BELSTAFF EDITIONS

OPTIONS AND ACCESSORIES

ALL BASES COVERED

The Grenadier is available as a five-seat Station Wagon, and a Utility Wagon with the choice of a two-seat or five-seat layout, depending on market availability. The standard variants of each model are a blank canvas ready to be configured for the exact needs of customers. They are built for those needing a stripped back, no-nonsense workhorse, but still with the comfort, safety, refinement and standard features that today's drivers expect.



GRENADIER STATION WAGON

The commercial five-seat Grenadier is fitted with a cargo barrier and the seats have been moved forward 70mm to provide the optimum balance between payload and passenger carrying capability. In the UK, this model is called the Grenadier Station Wagon, and in all other markets it is called the Grenadier Utility Wagon - 5 Seat.



GRENADIER UTILITY WAGON

Designed to carry loads, both two-seat and five-seat Utility Wagon models are certified as commercial vehicles. These models are aimed at utility-oriented customers including farmers, utility companies, estate and forestry managers. The two-seat model features a full-length flat floor, comes with a full-height cargo barrier and is capable of taking a standard Euro pallet (1,200mm x 800mm). The five-seat Utility Wagon is fitted with a half-height cargo barrier, to provide the optimum balance between payload and passenger carrying capability. Customers can opt for a rear side window instead of the standard blank panel (depending on market availability) at no extra cost.

GRENADIER STANDARD FEATURES

- BMW 3.0L, Straight-Six Engine
- 8-Speed Automatic Transmission with Manual Override
- Permanent Four-Wheel Drive
- Full Box-Sectioned Ladder Frame
- Galvanised Steel Body
- Carraro Beam Axles Front & Rear
- Heavy Duty Coil Suspension
- Two-Speed Transfer Case
- Centre Differential Lock
- Front & Rear Skid Plates
- LED Headlights
- LED Auxiliary High Beam Lights
- 30/70 Split Rear Doors
- Full-Size Spare Wheel
- Towing Eyes Front & Rear
- Roof Rails & Roof Protection Strips
- RECARO Seats
- Central Control System
- Overhead Control Panel
- Toot Button
- Off-Road & Wading Modes
- Pathfinder Off-Road Navigation

MODEL MIX BY MARKET

		VARIANTS	UKMENA	EU	SSA	USMCA	APAC
UTILITY WAGON	N1	2 SEAT	PETROL	•	•		•
			DIESEL	•	•		•
	5 SEAT	PETROL	•	•			
		DIESEL	•	•			
STATION WAGON	M1	5 SEAT	PETROL	•	•	•	•
		DIESEL	•	•	•	•	



STATION WAGON BELSTAFF EDITIONS

The revered Belstaff clothing brand has been crafting tough and rugged outerwear since 1924. Part of the INEOS portfolio, Belstaff has a rich history of developing products envisaged for both function and progress: protective suits for race-car drivers so they had the confidence to go faster, windproofed smocks for Marines to help them weather any storm, and insulating clothing for mountaineers so they could venture higher and further. They have long been the chosen outfitter for independent spirits, from Amelia Earhart and T.E. Lawrence to Marlon Brando. Creating a perfect partnership, Belstaff and INEOS Automotive share the same philosophy of producing authentic, uncompromising products that are engineered to last.

The Grenadier Trialmaster and Fieldmaster Editions, which are available on the five-seat Station Wagon and in some markets also on the Utility Wagon, have both been curated with specific purposes in mind and are built to take on the outdoors.



BELSTAFF





Both the Trialmaster and Fieldmaster Editions come fitted with the Smooth Pack as standard, making the Grenadier even easier to use in daily driving conditions.

Smooth Pack includes:

Rear-View Camera

Park Assist Front (PDC)

Power Heated Exterior Mirrors

Heated Windscreen Washer Jets

Lockable Central Stowage Box

Puddle Lamps and Ambient Door Lighting

Auxiliary Charge Points

As well as the Smooth Pack, Trialmaster Editions are kitted out with the Rough Pack as standard, further enhancing its off-road capabilities.

Rough Pack includes:

Differential Locks Front and Rear

BFGoodrich All-Terrain KO2 tyres

FIELDMASTER EDITION

The Grenadier Fieldmaster Edition is named after the iconic Belstaff Fieldmaster Jacket, a waxed cotton jacket designed for life in the outdoors. This is a Grenadier created specifically for those owners with an adventure lifestyle who will use their vehicle to get them and their kit to wherever they want to go. It comes with the Smooth Pack set of features as standard, and additional premium enhancements including:

17" alloy wheels (with the option to upgrade to 18" alloy wheels)

Safari Windows (located above the driver and co-driver)

Leather Upholstery

Carpet Floor Mats

Heated Front Seats

Whether towing a horsebox, hauling kayaks to the river, or going wild camping, the Grenadier Fieldmaster Edition makes outdoor adventures even more accessible.



TRIALMASTER EDITION

The Trialmaster Edition has been specified with extreme off-roading in mind. It is named after the iconic Belstaff Trialmaster Jacket, which was created in 1948 at the request of professional Trials biker and Irishman, Sammy Miller. The jacket was designed to cope with the challenging conditions of the Scottish Six Days Trial – a gruelling motorcycle event in which riders compete against the clock over 600 miles (960 km) of Scotland's most challenging combination of rough moorland, rocky tracks and public roads.

With functionality and versatility as its top priorities, the Grenadier Trialmaster Edition is fitted with a host of additional practical kit, including a raised air intake, exterior utility belt, and an auxiliary battery. In addition to the Smooth Pack, this Grenadier has an entirely different personality thanks in part to the addition of the Rough Pack, which adds front and rear differential locks and BFGoodrich all-terrain tyres.

17" Steel Wheels

Raised Air Intake

Exterior Utility Belt

Access Ladder

This is the Grenadier for customers that are passionate about hardcore off-roading and tackling the toughest terrain on the most extreme expeditions.



EXTERIOR DESIGN

TIMELESS EASY-TO-READ



The Grenadier is a modern, functional and highly capable 4X4 vehicle with utility at its core. Form follows function, and capability is the Grenadier's priority. It is a 4X4 that is designed to be 'easy-to-read' with a clear and unambiguous purpose. Starting from a clean sheet, it is there to do what the owner needs without compromise, and nothing is for show. The design is all about being clear, simple and straightforward.

The result is a timeless and instantly recognisable form, dictated by the purpose of the vehicle, with substance informing style. It is an honest design, evocative of the iconic 4X4s of the past: boxy to maximise space efficiency; wheels positioned at the corners of the chassis to minimise body overhang for improved approach and departure angles for better off-road capability; straightforward, simple lines punctuated only by practical features and no superficial styling.

The flat front wings are ideal for resting kit. The '30:70' split rear door makes loading easy, with the smaller '30' door giving quick and easy access for smaller items and unrestricted loading of larger items with the larger '70' door opened.

The beltline along the bodysides is functional with bump strips included as standard, or the optional Utility Belt can be added for attaching a raft of after-market accessories. The roof bars and roof strips enable loads to be mounted and secured directly, without a Roof Rack. And the optional Spare Wheel Lockable Storage Box in the well of the spare wheel is ideal for stashing away grubby or smelly kit.

In short, every element of the Grenadier's design is determined by its functional role.

**30:70
SPLIT REAR
DOORS**

**FLAT
FRONT WINGS**

**BELTLINE
AS STANDARD**



INTERIOR DESIGN

WHERE COMFORT AND FUNCTION MEET

INEOS Automotive has gone back to basics to create an interior that's functional, intuitive, and comfortable. Where possible, the Grenadier remains analogue and mechanical. Benefiting from both clearly labelled and well-spaced buttons and chunky dials that can be confidently used while wearing gloves, the centrally-located controls offer simple and safe operation for both driver and co-driver.

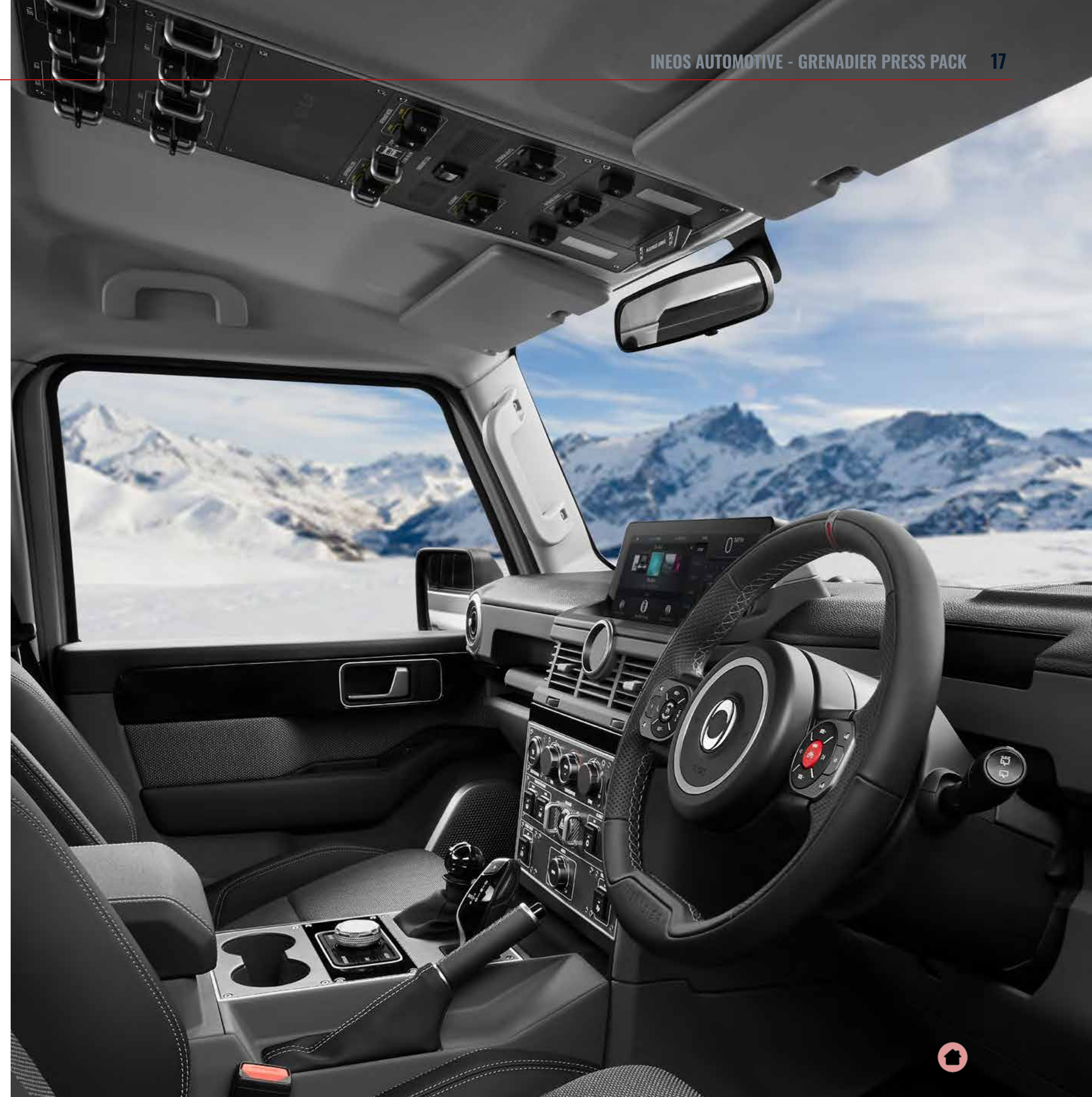
All driving information is located in one place on the Grenadier's Central Control System: speed, gear and fuel level, through to tyre pressures, maps, media, phonebook, current bearing, co-ordinates, steering angle, vehicle attitude, and more are all displayed on the easy-to-control 12.3-inch touchscreen. Designed specifically for INEOS Automotive, the Central Control System screen can be operated using either the buttons on the multifunction steering wheel – adjustable for both reach and rake, the rotary controller located on the centre console, the menu buttons on the central control interface and of course through the touchscreen itself.

A unique design and ergonomic feature of the Grenadier is its overhead control panel. Inspired by the layout of controls in aircraft cockpits, this houses all off-road switchgear and functions such as the Off-Road and Wading Modes, the (when optioned) axle differential lock buttons, Downhill Assist, as well as both standard and optional pre-wired auxiliary switches which can be used for options or accessories such as winches or light bars.

12.3"
TOUCH
SCREEN

OVERHEAD
CONTROL PANEL

IP54K
RATED
INTERNALS





The everyday vehicle controls are logically housed on the centre console, and this logical separation of key functions ensures both driver and front passenger select the correct switch or function. All information is intuitively displayed on the Central Control System's large 12.3-inch central touchscreen. Removing the typical instrument cluster from behind the steering wheel declutters the dashboard and in doing so provides unimpeded visibility through the front windscreen allowing the driver and co-driver to perceive where the front corners of the vehicle are, crucial not only to off-road driving when you need to accurately drive your line but also in day to day driving from narrow city streets to parking.

Tipping its hat to the INEOS Grenadiers professional cycling team, the Grenadier features a Toot Button – the red circular button on right-hand arm of the steering wheel – that emits a friendly tone that's quieter than the regular horn. This can be used to notify cyclists, walkers, horse riders or any other road users of the vehicle's presence in a friendly, polite way, and to greet fellow Grenadier owners, too. With a similar nod to Sir Ben Ainslie's INEOS Britannia sailing team, both the overhead control panel and centre stack feature red port and green starboard lines.

The Grenadier is built to get muddy and it can easily be washed down, inside and out. Five interior drain valves mean owners can hose out the floor without concerns of damaging interior materials. An official IP54K rating for critical cabin components – giving them protection from dust and water ingress – ensures the odd splash of mud or water will not damage the switchgear or electronics.

The highly supportive, eight-way manually adjustable Recaro seats have been specially designed for the Grenadier. Optimised lateral back support keeps the driver and passengers comfortable and secure, while low profile cushion bolsters mean it's easy to get in and out.



The Toot Button - a direct link to the INEOS Grenadier cycling team - offers a friendly tone in place of the regular horn, and is ideal for notifying cyclists, walkers, horse riders or any other road users of your presence in a friendly, polite way.

The standard seating upholstery is a combination of hard-wearing tough cloth and vinyl that is stain-, dirt- and water-resistant, and are easy to clean. Supple full-grain leather seats – in black, or in two-tone black-and-grey – are available as an option. Leather front seats are heated as standard, with heated front seats an option for the standard cloth and vinyl Utility Trim.

Safari Windows located above the driver and co-driver come as standard on the Fieldmaster Edition, or as an option on all other variants. Closed, ventilated, or removed completely, these innovative windows allow additional light and fresh air into the cabin. When removed, they can be safely housed in their dedicated storage bag.

Parking sensors, standard at the rear and optional at the front, enhance the Grenadier driver's urban situational awareness, and simplify manoeuvring in and out of tight spaces. A rear-view camera – included as standard on Belstaff editions, and available depending on market – further aids rear visibility.

4.

TECHNICAL FEATURES

ENGINEERED TO TACKLE EVERY EVENTUALITY



- CHASSIS & DRIVETRAIN
- POWERTRAINS
- SUSPENSION, STEERING & BRAKES
- OFF-ROAD GEOMETRY
- REFINEMENT, COMFORT AND VERSATILITY

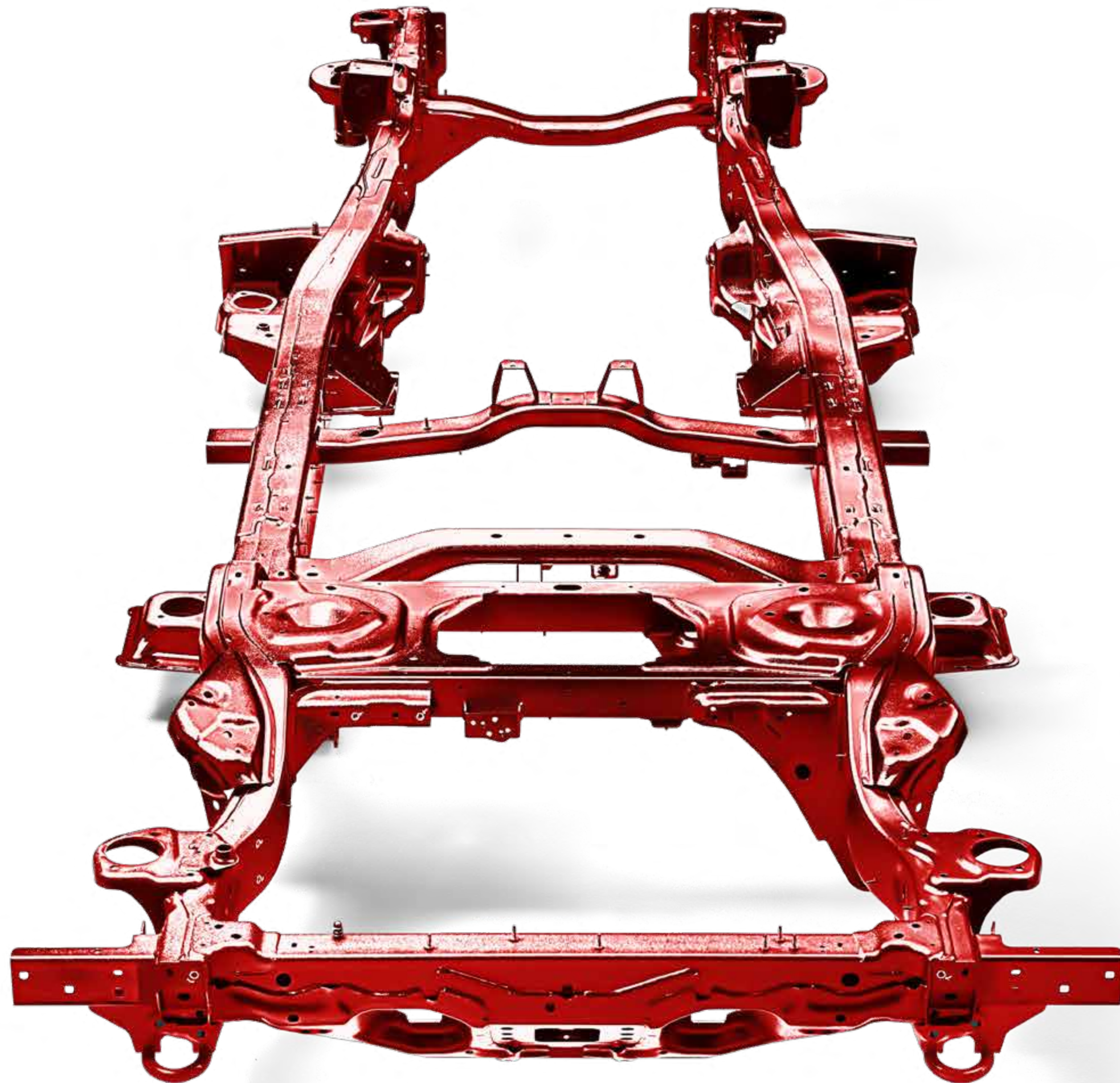


CHASSIS AND DRIVETRAIN

The Grenadier is designed to be a confidence-inspiring off-road workhorse. A wheel at each corner ensures short overhangs front and rear, a full box-sectioned ladder-frame chassis offers excellent rigidity, while the engine air intake located high above the front wheel arch provides confidence when wading through water up to 800mm deep.

The foundation of the Grenadier is a full box-section ladder frame chassis. Simple, strong and stable, it's designed to withstand daily punishment in all conditions, mile after mile. Its steel section is up to 3.5mm thick for outstanding rigidity and stiffness. As the backbone of the vehicle that supports all other assemblies, the Grenadier's robust chassis is engineered for easy maintenance and to ensure that removing or adding components including accessories like the Side Runners or Rock Sliders is as straightforward as possible.





CHASSIS

Maximum protection against corrosion is provided by a full E-Coat treatment (cathodic dip coating, an electro-chemical coating process), internal cavity wax application and an exterior powder coat. Paying testament to the brand's confidence in its durability, the ladder-frame is backed by INEOS Automotive's class-leading 12-year anti-perforation warranty.

Heavy-duty solid beam axles are essential for tackling extreme off-road terrain and carrying heavy loads. By channelling power from the Grenadier's propshafts via a 4:1 differential ratio to the wheels, they ensure maximum traction on any surface. Developed in partnership with Carraro – an expert with over 50 years' experience making heavy-duty tractor axles for agricultural machinery giants including John Deere and CLAAS – they're strong, straightforward, and built to last.

INEOS Automotive has designed the Grenadier to handle the most extreme environments, and inevitable impacts. The Grenadier's standard underride protection includes front and rear skid plates, and protection for the 90-litre fuel tank. It's key to keeping the vehicle going, ensuring the Grenadier's essential components are shielded when working off-road. The high-quality powder coat finish also safeguards the Grenadier's underride protection against stone chips and off-road scrapes. The underride protection is also e-coated before powder coating to deliver a second layer of protection.

UP TO
3.5MM
THICK

EXTERIOR
POWDER
COAT

INTERNAL
CAVITY
WAX



DRIVETRAIN

The Grenadier has been set up with off-road capability in mind, but without compromising driving performance, so drivers can switch from tarmac to mud without having to make any special adjustments. It is only offered with permanent four-wheel-drive. Torque and power are sent from the gearbox to the front and rear axles via an INEOS designed two-speed transfer case built by industry transmission leader Tremec, alongside constant-velocity joints and propshafts from automotive specialist Dana Spicer.

The durable, manually-operated two-speed transfer case as standard has a built-in centre differential which is lockable in both high and low range. Designed by INEOS Automotive and manufactured by Tremec, it's been tested in the harshest environments and its low-range ratio of 2.5:1 provides greater precision, control, and increased torque. Featuring an external oil cooling system, it's been optimised to ensure smooth running and reliability in all conditions.

In addition to the centre locking differential in the transfer case, two optional electronically actuated diff locks are available, front and rear, with 100% mechanical engagement. The front and rear diff locks can be independently toggled from the overhead control panel and automatically disengage at higher speeds to protect the drivetrain. Manufactured by global engineering specialists Eaton Industries, the front and rear diff locks are standard on Trialmaster model, and optional on all other variants.



POWERTRAINS

AWARD-WINNING BMW POWER

The Grenadier has been developed to be refined on the road and extraordinarily capable off-road. Reliable and gutsy engines and a robust transmission are central to achieving this multi-role capability.

Depending on market availability, the Grenadier is powered by a choice of two BMW 3.0-litre turbo-charged inline six-cylinder engines. Both the B57 diesel and B58 petrol powertrains have a proven track record, and they have been deployed in a range of vehicles from sports cars to SUVs. With EU6d and EU4 compliance, both engines meet diesel and petrol emissions standards in all markets. Every Grenadier variant can be powered by either the petrol or the diesel engine, and the selection doesn't affect the vehicle price (depending on markets).

These two power units from BMW have an aluminium block and head and bring sophistication and refinement to the Grenadier. Over the gruelling three-year 1.1 million mile (1.8 million kilometre) test programme they have been extensively revised and recalibrated by INEOS Automotive's engineering team in collaboration with Austrian automotive specialists Magna-Steyr.

*Engine displayed is the B58 Petrol



**B58
PETROL**

**B57
DIESEL**

The goal was to deliver both peak torque at low revs for optimal off-road performance, and powerful acceleration through the rev range on tarmac. This was achieved by the comprehensive reprogramming of the engine software management systems. A larger radiator with upgraded fan enhances the engines' air temperature performance, with optimised coolant flow within the pipes and radiator.

These carefully calibrated characteristics help the driver to confidently manage the vehicle's momentum and grip without stressing the engine, ensuring full control and ideal throttle modulation when tackling challenging terrain.

Whichever is chosen, the Grenadier's engine is paired with an eight-speed automatic gearbox from industry transmission leader, ZF. Both the ZF8HP51 transmission used in petrol variants and the ZF8HP76 gearbox used in diesel-powered models have posted impressive track records for reliability and durability since their market debut in 2008. For their deployment in the Grenadier, Magna-Steyr recalibrated and fine-tuned the gearboxes and added a heavy-duty torque converter specifically for off-road work.



Providing smooth multi-gear shifts in under 200 milliseconds – far quicker than even the most adept manual shifting – to ensure uninterrupted torque to the wheels, the ZF transmissions provide virtually seamless shifts to maintain momentum. This ensures the driver is always in the right gear at the right time, critical when tackling challenging off-road conditions.

Designed to always select the right gear, the transmission effortlessly adapts to whatever terrain the Grenadier is tackling. Enhanced with a heavy-duty torque converter, proven by the Grenadier's extreme testing programme, it's tuned for all conditions, simplifies off-road driving, and offers an 'eyes on the trail, hands on the wheel' experience. For drivers who wish to take control, manual override mode can be selected.



	PETROL	DIESEL
Engine	BMW B58	BMW B57
Cylinders and Layout	6 (Straight)	6 (Straight)
Valves	24 (DOHC)	24 (DOHC)
Fuel Delivery	Direct Injection	Common Rail Direct Injection
Displacement [cc]	2,998	2,993
Cylinder Bore x Stroke [mm]	82 x 94.6	84 X 90
Compression Ratio	11.0:1	16.5:1
Maximum Power [Kw]	210 (4750 rpm)	183 (3250-4200 rpm)
Maximum Power [PS]	286 (4750 rpm)	249 (3250-4200 rpm)
Maximum Torque [Nm]	450 (1750-4000 rpm)	550 (1250-3000 rpm)
0-62mph / 0-100km/h (secs)	8.6	9.9
Transmission	ZF 8HP51	ZF 8HP76
Number of Gears (automatic)	8	8
Transfer Case Ratio	2.5:1	2.5:1
Combined CO2 Emmisions	325 - 336 g/km	276 - 319 g/km
Economy Figures	18.9 - 19.6 mpg / 14.4 - 14.9 l/100km	23.1 - 26.9 mpg / 10.5 - 12.2l/100km



SUSPENSION, STEERING AND BRAKES



While it's every inch a rugged 4X4, the Grenadier also ticks all the right boxes on the road. The chassis combines a five-link front and rear suspension layout, complemented by powerful Brembo brakes and an accurate recirculating ball steering system.

SUSPENSION

The Grenadier is equally at home on the road as it is off-road. Central to this versatility is its suspension design, featuring progressive coil springs, robust anti-roll bars, and a sophisticated five-link setup, with a pair of longitudinal links either side of the axle and a Panhard rod. Together, these combine to provide dynamic handling and a comfortable ride, whatever the load or road.

The Grenadier's progressive rate coil springs are made by suspension specialists, Eibach, offering superior flex with nine degrees of front axle articulation and 12 degrees at the rear. Enabling more than 585 mm of travel to maintain grip and make light work of driving over extreme uneven ground, they're low maintenance, lightweight, durable and generate minimal friction.

BRAKES

The Grenadier's highly responsive brake system – discs, pads and calipers – has been designed and developed by industry-leaders Brembo. Engineered to deliver confidence-inspiring performance even with the Grenadier's gross combined fully laden vehicle and maximum trailer weight of seven tonnes, the Brembo system features 316 mm diameter vented front discs gripped by twin piston calipers, and 305 mm diameter rear solid discs and single piston calipers.

The Grenadier rides on traditional, hard-wearing 17-inch steel wheels as standard, with 18-inch steel, 17-inch alloy and 18-inch alloy options available. All use a six-stud pattern with a 130 mm Pitch Circle Diameter (PCD) and are available with both Bridgestone and BFGoodrich tyres. The Bridgestone tyres are bespoke to the Grenadier – an indication of the confidence the tyre manufacturing giant has in the longevity of the INEOS Grenadier. Owners can also choose locking wheel nuts to keep the wheels secure.

STEERING

The recirculating ball steering layout features hydraulic assistance and has 3.85 turns between locks for a 13.5-metre kerb-to-kerb turning circle. The result of thousands of miles of development and fine tuning, the steering provides the Grenadier driver with the optimal balance of accuracy, feedback and damping.



OFF-ROAD GEOMETRY

READY FOR EVERY CHALLENGE

At the Grenadier's core is a full box-section ladder frame chassis that is very stiff, stable and corrosion-resistant. Its smooth and punchy diesel and petrol powerplants are tuned to deliver generous torque at low revs, managed by a quick-shifting eight-speed automatic transmission.

The Grenadier's robust 5-link front and rear suspension is tuned to deliver excellent levels of axle articulation and wheel travel. Heavy-duty solid beam axles ensure it can tackle extreme off-road terrain and carry heavy loads with ease.

Its permanent four-wheel drive is complemented by a manually-operated two-speed transfer case with integrated lockable centre differential. Its low-range ratio of 2.5:1 provides greater control when tackling low-speed off-road manoeuvres. Featuring an external oil cooling system, the transfer case is optimised to ensure smooth running and reliability in all conditions.



The Grenadier's tyre valves are steel rather than rubber units, to ensure they won't tear away from the tyres if the tyres lose traction and spin in heavy coarse mud, leaving the vehicle, quite literally, stuck in the mud.

The standard-fit Bridgestone Dueler AT 001 all-terrain tyres feature a newly upgraded rubber compound and a Three-Peak Mountain Snowflake (3PMSF) all-terrain tread designed specifically for the Grenadier.

The switchable Off-Road Mode disables parking sensors, seatbelt reminders and the engine's start/stop facility to minimise distraction and lets the driver focus on the road ahead. Selecting the integrated Wading Mode monitors engine temperature and disables the engine fan when safe to do so for optimal wading performance.



Downhill Assist dynamically brakes individual wheels to enhance driver control on extreme descents, while Uphill Assist automatically holds the Grenadier in position after the driver releases the handbrake to provide further safety and control when tackling steeper terrain.

To ensure the driver is fully informed of the Grenadier's off-road performance, the central touchscreen can display key information, including vehicle attitude, steering angle, system temperatures and drivetrain utilisation.

A commanding driving position, large door mirrors and the instrument cluster on the central touchscreen all contribute to unobstructed sight of both front corners and optimum visibility when driving off-road. This helps with wheel placement – a real benefit not only when tackling demanding terrain, but also during day-to-day driving.

Drivers requiring even greater off-road ability have a range of optional key enhancements available, including additional front and rear differential locks, off-road tyres and a powerful fully-integrated winch.

The centre LED auxiliary high beam lights (included as standard) are integrated into the front grille and provide an extra 1,080 lumens for low-light off-road work.

OFF-ROAD GEOMETRY OVERVIEW

Standard on Trialmaster models, and available on all other variants, the optional front and rear differential locks are electronically actuated with 100% mechanical engagement. Manufactured by global engineering specialists Eaton Industries, these locks can be independently toggled from the overhead control panel and automatically disengage at higher speeds to protect the drivetrain.

For extreme terrain or challenging conditions, drivers can choose the optional BFGoodrich All-Terrain T/A KO2 tyres which feature a more aggressive tread. Their deep reinforced sidewalls offer added puncture resistance, and tyre pressure monitoring comes as standard.

The optional factory-fit high-performance front winch from NATO supplier Red Winches is strong, precision-engineered and fully integrated into the front bumper. The winch runs 13metres of UHMWPE - Ultra High Molecular Weight Polyethylene synthetic rope - and delivers 5.5 tonnes of winching power. The Grenadier is always prepared, whatever the task.

KEY FIGURES

Ground clearance: 264 mm / 10.4 inches

Wading depth: 800 mm / 31.5 inches

Approach angle: 35.5°

Ramp breakover angle: 28.2°

Departure angle: 36.1°

Maximum side angle limit: 45°

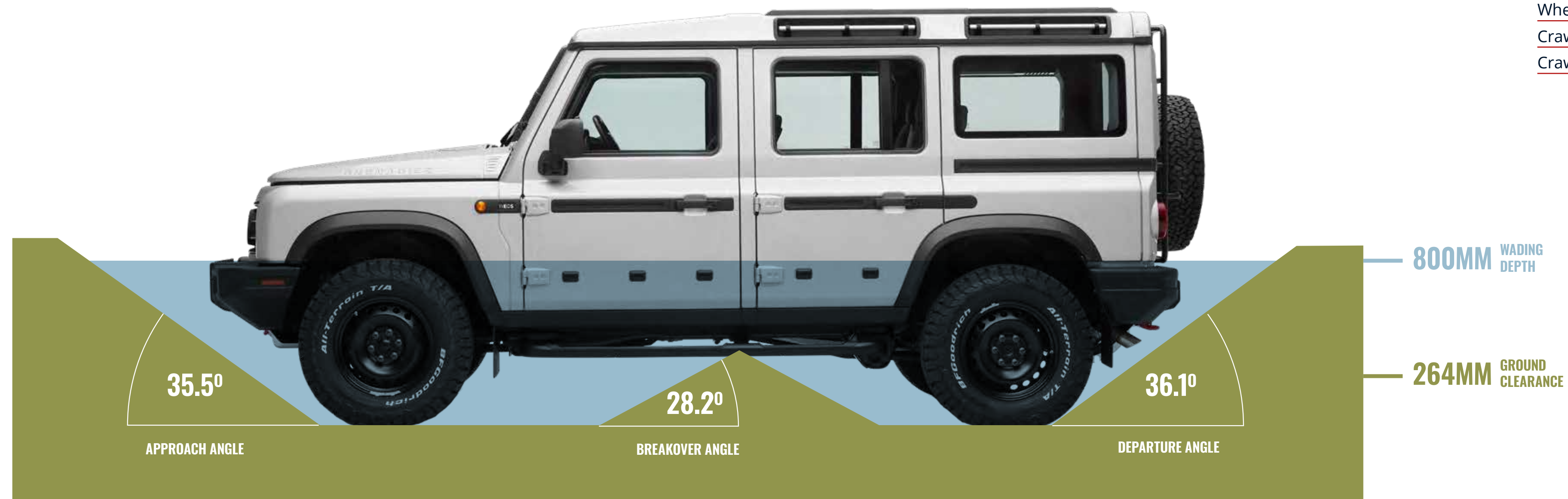
Front axle articulation: 9°

Rear axle articulation: 12°

Wheel travel: 585 mm / 23 inches

Crawl ratio and speed: 53.81 and 1.26 mph / 2.04 km/h (petrol)

Crawl ratio and speed: 56.37 and 1.28 mph / 2.08 km/h (diesel)



REFINEMENT AND COMFORT

The Grenadier may be a rugged and hugely capable off-road vehicle, but its high levels of refinement, comfort and versatility also make it accommodating and easy to use as both a daily driver and a long-distance traveller.

Key to this refinement is the engineering integrity, solidity and build quality of the chassis. As well as creating the ideal platform for the Grenadier, it has also allowed INEOS Automotive's ride and handling engineers to dial a higher degree of accuracy into the Grenadier's multi-link suspension to deliver a more compliant and refined ride quality. The vehicle body is isolated from this strong ladder-frame chassis by eight chassis mounts that have been tuned to reduce body vibrations and noise, and insulate passengers from intrusions in the road.

Both BMW-sourced turbo-charged petrol and diesel engines are in-line six-cylinder units, an engine layout renowned for smooth and vibration-free performance through the rev range. Similarly, the eight-speed automatic transmission from ZF delivers seamless shifts between gears for smooth progress under all engine speeds and loads.

Whether crossing a continent, tackling a daily commute, or taking a long-anticipated family trip, the combination of a spacious and airy cabin, intelligently configured controls, excellent visibility, comfortable Recaro seats, and phone connectivity makes the Grenadier excellent everyday transport.



ULTIMATE VERSATILITY

The Grenadier's cabin was designed from scratch to create a highly versatile and accommodating environment that is capable of handling everything from regular commuting to cross-continental adventures. The basic architecture of the cabin combines generous accommodation, hard-wearing materials, plentiful storage space and an intelligently configured dashboard.

INTERIOR

The Grenadier's cabin features six grab-handles, six cup/bottle holders, and a USB-A and C ports, along with a 12V front socket. Two additional charging USB-C ports in the second row and a second 12V socket in the cargo area are optionally available. The central stowage compartment located behind the front cupholders can be fitted with an optional lockable lid for enhanced security.

The rear outer seats feature ISOFIX/iSize child seat anchor points, while the rear bench itself is split 60:40 to accommodate larger loads. There's also a dry underseat stowage compartment located beneath the rear bench. This dry and tough storage box is ideal for stowing valuable items securely out of sight. This drawer feature is replaced by the auxiliary battery system, when optioned.

CARGO AREA

Unlike many of its heroes from the past, and even some class competitors of today, a tight loading space is no problem for the Grenadier. Its unique '30/70' split rear doors offer excellent flexibility whatever the load. The smaller '30' door offers quick and easy access for smaller items and, when full width is required, the larger '70' door can be opened to provide unrestricted loading of larger items. The doors open to a maximum of 102 degrees to reveal a 1255mm wide opening.

The cargo area is fitted with a stowage locker to keep luggage items out of sight, as well as numerous loadspace tie-down rings for securing luggage – 10 in the station wagon and 12 in the utility wagon. Flush, floor-mounted interior cargo rails, an adaptable cargo securing system, and a range of barriers and partitions to organise loads are available as part of a suite of additional cargo management options and accessories.

The Grenadier can be easily washed down, inside and out. Its cabin is designed to be quick and easy to keep clean. A tough barrier in the cargo area prevents water from entering the cabin area. The vehicle floor is completely removable and features five non-return interior drain valves so that owners can hose out the floor without concerns of damaging interior materials.



EXTERIOR

The optional utility belts that run along the Grenadier's flanks further enhance its versatility. Underpinned by a muscular structure housed within the doors to prevent panel deformation, the utility belt on the front door can support up to 45kg of equipment and accessories, while the rear side door has a 35kg payload. Similarly, the lower mounted utility hooks on the front and rear side doors can each respectively handle 5kg and 10kg of equipment.

The Grenadier's reinforced roof structure gives it exceptional roof loading capabilities. Built-in roof rails and rubber protection strips come as standard and have been designed to allow owners to secure kit directly to the Grenadier's roof with minimal fuss. For more regular roof loading, owners can specify the Rhino Rack Roof Rack, with a static load of 420kg and a dynamic load limit of 150kg, both measurements including the roof rack weight.

INEOS Automotive's optional rear door-mounted aluminium access ladder provides a strong and stable route to the roof. Rated for 150kg, the access ladder is both E-coated and powder-coated for maximum durability.

Always looking to maximise functional practicality, INEOS Automotive has flipped the standard-fit spare wheel that's externally mounted on the rear door. Now facing 'the wrong way', the wheel allows what is otherwise dead space inside the hub well to be used as a useful storage area. With a capacity of 20 litres and 15kg, the Spare Wheel Lockable Storage Box is available on all wheel options and provides a handy, secure and accessible place to stow belongings such as mucky boots and a wet jacket.



PACKAGING AND TOWING

THE ULTIMATE LOAD-LUGGER

PACKAGING

Offering a braked 3.5-tonne towing capacity, more than 2000 litres of load space and 5.5 tonnes of winching power for recovering themselves or others, the Grenadier is among the leaders when it comes to payload, when compared to other station wagon-bodied vehicles. Payload ranges from 689kg on a fully optioned diesel Trialmaster Station Wagon to 871kg for a base two-seat petrol Utility Wagon*. Combine this payload with unprecedented off-road capability and the Grenadier has the ability to take your cargo to the destinations you desire, as far off the beaten track as they may be.

* Quoted weights are taken from a European specification Grenadier and include 90% of fuel and all liquids, without driver.

The Grenadier is built to tackle the task and is engineered to maximise payload and carry what's required of it. With a volume capacity of 2,088 litres, the two-seat Utility Wagon can accommodate a standard Euro-pallet that measures 1200 mm x 800 mm. The five-seat commercial variant has a load space of 1,255 litres behind the cargo barrier.

With the rear seats in use, the load space in the five-seat Station Wagon is a class-leading 1,152 litres. With its 60:40 split folding rear bench seat folded flat, the five-seat Station Wagon provides 2,035 litres of load space.

UPTO
2,035
LITRES OF LOAD
SPACE

60/40
SPLIT FOLDING
BENCH SEAT



TOWING

The Grenadier's 3.5-tonne towing capacity is available with both civilian and commercial towing attachments. Coupled with INEOS Automotive's bespoke vertical towing interface – which accommodates numerous different towbar and towball fitments including fixed towballs, NATO pintle tow hitches, 50mm jaw and towballs and Class III NAS tow hitches – the Grenadier has serious flexibility and towing ability. To improve safety, handling and driveability, electronic Trailer Stability Assist is also available in certain markets.

An optional rear-view camera – included as standard on Belstaff Editions – further aids rear visibility.

**3.5
TONNE**
TOWING
CAPACITY

OPTIONAL
REAR
CAMERA

SAFETY SECURITY ON THE ROAD AND OFF IT

It may be a tough, uncompromising 4X4, but the Grenadier is equipped with range of modern integrated safety systems as standard, all developed to deliver optimal performance in both on-road and off-road environments.

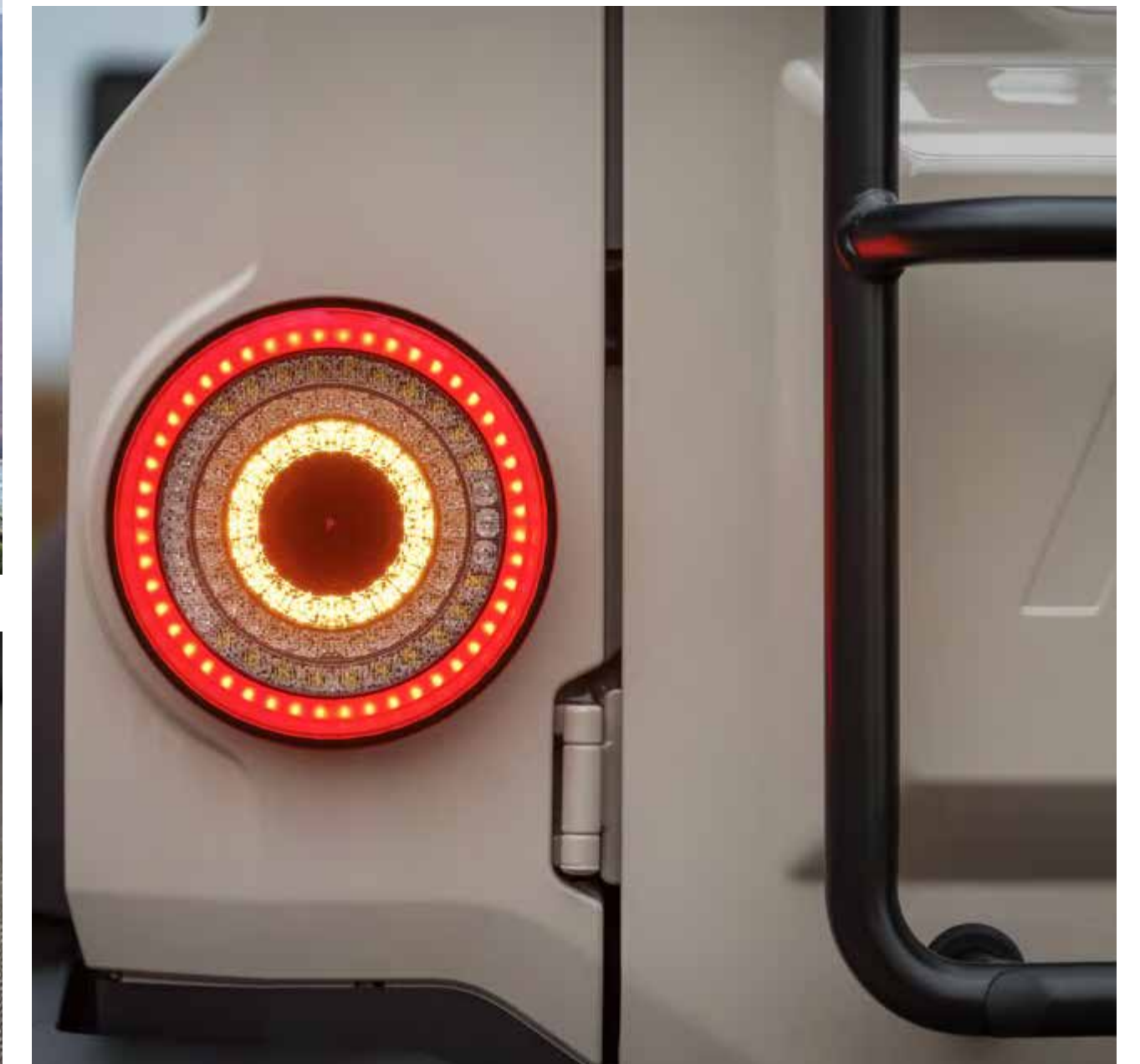
The following are included on all models to help to keep occupants safe, relaxed and in control:

- Two front airbags
- Two curtain airbags
- Two side airbags for driver and front passenger
- Two knee airbags*
- ISOFIX/iSize child seat anchor points for each of the two outboard rear seats on five-seat models
- Anti-lock Brakes (ABS)
- Electronic Traction Control (ETC)
- Electronic Stability Control (ESC)
- Automatic Hazard Warning
- Tyre Pressure Monitoring System (TPMS)
- Seatbelt Reminder System
- SOS Emergency Call†
- Uphill Assist and Downhill Assist
- Cruise Control
- Trailer Stability Assist**
- Advanced Anti-Theft Alarm & Immobiliser

*United States and Canada only

† SOS Emergency Call is included for: EU, Saudi Arabia, Oman, UAE, Kuwait, Qatar, Bahrain

**All markets except United States, Mexico and Canada



INFOTAINMENT, CONNECTIVITY AND NAVIGATION

The Grenadier features a comprehensive suite of infotainment and navigational features that ensure owners stay connected and oriented no matter where they venture. The powerful audio system features four 24W coaxial speakers – two mounted in the front doors, two in the rear doors, with a frequency range of 50 – 18000Hz.

DAB+ radio, Android™ Auto and wireless Apple CarPlay® are fitted as standard to handle navigation duties using Waze, Google Maps, or whatever compatible app the driver chooses. Bluetooth connectivity and voice control allow for hands-free calls.

The Grenadier's Central Control System, designed specifically for INEOS Automotive, displays all required information via an easy-to-control 12.3-inch touchscreen, which can also be accessed using the buttons on the multifunction steering wheel or the rotary controller on the centre console.

This means everything the driver needs to know – including road speed, gear selection and fuel level, through to tyre pressures, maps, media, phonebook, current bearing, co-ordinates, steering angle and vehicle attitude – is intuitively located in one central location.

An optional compass with altimeter is included on Trialmaster and Fieldmaster Editions, conveniently integrated into the centre console.

Off the road, owners can use INEOS Automotive's Pathfinder navigation system. Fitted as standard to all models, this bespoke, waypoint-based navigation system has been specifically developed for adventures in the Grenadier, and uses GPS signals and co-ordinates to accurately guide drivers.





The Pathfinder navigation system has three modes:

Follow Path – follow an existing .GPX file

Drivers can download existing .GPX files (an industry-standard file format with geographic information such as waypoints, tracks, and routes) to the system and then follow these routes in the Grenadier. When the user clicks on the next waypoint, the compass will navigate the driver in the direction required, towards the next waypoint. Distances, bearings and coordinates are shown on the screen to accurately guide drivers along the correct route.

Record Path – record and create a new .GPX file

Drivers can use this screen to record the path that they are driving, and create their own .GPX file, so that they can share it with friends or drive the route again. During the journey, the driver can add a waypoint manually, or set up the system to do it automatically at certain intervals.

Roadbook – manually record a route

This third mode is mainly used for rallies or general off-road driving. The passenger can compare the Roadbook to a handheld map or route for the planned trip, manually setting the bearing and distance using the functions on the screen.

Power is always on tap with the Grenadier's cabin featuring a USB-A and a USB-C port, and a 12V socket as standard. Two additional charging USB-C ports in the second row and a second 12V socket in the cargo area are optionally available.

Adaptability is built into the Grenadier from the get-go. With wiring accessible through the engine bay and interior, the Grenadier is ready for 'plug and play', without the need to rip out the headlining or interior panels to install gadgets or accessories. This open-source pre-wiring offers all the equipment the driver needs at their fingertips.

As standard, the Grenadier is equipped with three 10A circuits, switchable from the overhead control panel. For heavy duty applications, including light bars and winches, owners can choose the high load auxiliary switch panel option, which provides four extra circuits (three 25A and one 500A), plus four integrated, weather-proof, roof-mounted outlets.



5

A GRENADIER FOR ALL

ACCESSORIES AND
PERSONALISATION

OPTIONS BUNDLES

COLOURS

ACCESSORIES AND PERSONALISATION

All versions of the Grenadier are uncompromising, highly capable 4X4 vehicles. Even the standard Utility Wagon models offer everything most users will need: peerless off-roading capability, refined on-road driveability, and a functional, modern, comfortable interior. But every customer is unique, so every Grenadier can be customised to suit the specific role they will play for their owner.

As well as the pre-packaged Rough and Smooth options packs, INEOS Automotive offers a wide range of factory-fit options, and an extensive choice of accessories that were developed in-house alongside the Grenadier to appeal to different customers and markets.

These are complemented by after-market accessories that are supplied by world-renowned partners that share the same uncompromising built-on-purpose approach as the Grenadier

A number of exterior accessories gives owners all they need to protect and equip their Grenadier for the task at hand, from LED lights to roof-mounted bike carriers. And when off-the-beaten-track is a daily drive, heavy-duty hardware like rock sliders and bull bars provide greater protection, while sand ladders, a comprehensive recovery kit and jerry can roof rack mounts on the roof rack give owners the confidence to tackle any terrain.

Up top, owners can opt for a roof rack or cross-bars to make carrying extra kit a breeze. As well as a bike carrier, further compatible add-ons include mounts for kayaks, surfboards and cargo boxes.

Tailor-made interior accessories provide added flexibility, practicality and durability, and whatever needs transporting, a highly adaptable cargo management range has everything for carrying and organising luggage and equipment quickly, safely, and easily.

Accessories in the Australian and New Zealand markets will be covered by a five-year warranty, and a three-year warranty for all other markets. The accessories are designed to be fitted easily by owners, or through INEOS's worldwide aftersales network. Customers can browse the full accessories range in the online configurator and brochure, and can place orders through the online catalogue.



SIDE RUNNERS



REMOVABLE REAR WINCH



ROOF RACK



RUBBER MATS



TAILGATE TABLE



BATWING SIDE AWNING



FULL ACCESSORIES LISTING

EXTERIOR

- [Side Runners](#)
- [Rock Sliders](#)
- [LED Light Bar](#)
- [Checker Plates \(all markets except Europe\)](#)
- [Bull/Roo Bar \(except Europe and North America\)](#)
- [Side Protection Rails \(except Europe and North America\)](#)
- [Cyclone Pre-Cleaner](#)
- [Removable Rear Winch](#)
- [Recovery Kit](#)

UP TOP

- [Roof Rack](#)
- [Batwing Side Awning **](#)
- [Rotopax™ Mounting Bracket Fitting Kit *](#)
- [Spare Wheel Carrier *](#)
- [Jerry Can Mount *](#)
- [Load Corner Brackets *](#)
- [Hi-Lift Jack Mount *](#)
- [Work Lamp Bracket **](#)
- [Folding Aerial Mount **](#)
- [Gas Bottle Holder *](#)
- [Lockdown Security Cable **](#)
- [Surfboard Carrier *](#)
- [Sand Ladder Flat & Side Mounting Brackets *](#)
- [Heavy Duty Shovel *](#)
- [Tool Bracket *](#)
- [Cross-Bars](#)
- [Cargo Box †](#)
- [Kayak Mounts – dual mounting system †](#)
- [Bike Carrier †](#)
- [Ski/Snowboard Carrier †](#)
- [Adjustable Load Holder **](#)
- [Cargo Load Straps **](#)
- [Roof Tie-Down Rings **](#)

INTERIOR

- [Rubber Floor Mats](#)
- [Tailgate Table](#)
- [Seat Covers – front and rear](#)
- [Cargo Barrier](#)
- [Loadspace Divider \(Not available for US\)](#)
- [Cargo Management System](#)
- [Luggage Organiser](#)
- [Loadspace Partition Net](#)
- [Luggage Net](#)
- [Quick Release Tie-Down Rings](#)

* Accessories compatible with Roof Rack
 † Accessories compatible with Cross-Bars



OPTIONAL PACK BUNDLES

The optional Saddle Leather Drivers Pack was the brainchild of Sir Jim Ratcliffe, who found modern car leather rather soulless, and wanted a material that would age naturally and with character.



SMOOTH PACK

Making the Grenadier even easier to use in every situation the Smooth Pack is collection of comfort and convenience features:

[Rear-View Camera](#)

[Park Assist Front \(PDC\)](#)

[Power Heated Exterior Mirrors](#)

[Heated Windscreen Washer Jets](#)

[Lockable Central Stowage Box](#)

[Puddle Lamps and Ambient Door Lighting](#)

[Auxiliary Charge Points](#)



ROUGH PACK

The Rough Pack is ideal for those Grenadier owners looking for enhanced off-road ability:

[Differential Locks Front and Rear](#)

[BFGoodrich All-Terrain KO2 tyres](#)



SADDLE LEATHER DRIVER'S PACK

This option finishes the steering wheel, handbrake grip and passenger grab handle in genuine saddle leather. This tough yet tactile leather will age and wear with the vehicle, making it unique to every owner over time.

COLOURS

SCOTTISH WHITE



MAGIC MUSHROOM



ELDORÉ BLUE



BRITANNIA BLUE



SELA GREEN



INKY BLACK



SOLID

STERLING SILVER



SHALE BLUE



QUEEN'S RED



DONNY GREY



SCOTTISH WHITE



INKY BLACK



METALLIC

CONTRAST ROOF - PAINTED

BLACK



GREY



RED



CONTRAST LADDER FRAME - POWDER COAT



COLOURS

THE STORIES BEHIND THE NAMES

SOLID

**SCOTTISH WHITE**

A number of Sir Jim Ratcliffe's close Scottish friends have very white legs, and he thought the name Scottish White would be an amusingly personal touch. Scottish Tan was also considered.

**ELDORET BLUE**

INEOS ambassador Eliud Kipchoge - the first person to run a marathon in under two hours - hails from the Kenyan town of Eldoret, which is famed for its blue skies.

**SELA GREEN**

Named after the Sela River in Iceland, which is part of the Six Rivers Project and widely regarded as one of the best Salmon rivers in the world.

**MAGIC MUSHROOM**

Named after the Psilocybe semilanceata mushroom.

**BRITANNIA BLUE**

Named after sailing team INEOS Britannia.

**INKY BLACK**

Every palette should have a solid black - this is ours.

METALLIC

**SHALE BLUE**

INEOS is well known for its oil and gas business - blue shale is very rich in carbonate minerals and is widely used within the industry.

**DONNY GREY**

Andy Currie, INEOS co-founder is from Doncaster, where the skies are invariably grey

**QUEEN'S RED**

An homage to the Queen's fleet of royal vehicles, all finished in dark red

**STERLING SILVER**

A very British silver



COLOURS

THE STORIES BEHIND THE NAMES

To complement the selected body paint finish, owners can choose either an Inky Black or Scottish White contrast roof. In recognition that INEOS Automotive's tough ladder frame chassis sets the brand apart from others, instead of the standard black powder coat finish, customers can opt to have the ladder frame finished in 'HALO' red or 'Rhino' grey powder coat.

'HALO Red' celebrates our development partnership with global humanitarian landmine clearance charity, The HALO Trust. Founded in 1988, HALO's mission is to protect lives and restore the livelihoods of those affected by conflict. HALO trains men and women from the affected communities to clear landmines and explosives, making land safe so families can rebuild their lives.

'Rhino Grey' celebrates INEOS Automotive's support for The Rhino Orphanage in South Africa. For the past ten years, the charity has taken in orphaned and injured rhino calves, cared for them, and when ready released them back into the wild.

For each HALO Red* or Rhino Grey** chassis sold, INEOS Automotive will donate €150 to the respective organisations.

LADDER FRAME



HALO RED



RHINO GREY



BLACK

EMBARGOED: SUBJECT TO FURTHER ANNOUNCEMENT.

* The HALO Trust registered charity number 1001813

** The Rhino Orphanage NPO Registration # 2012/029891/0

WHEELS, TYRES, DRIVER'S PACKS & TRIM

WHEELS

17" STEEL



18" STEEL



17" ALLOY



18" ALLOY



BRIDGESTONE ALL-TERRAIN TYRE



17" RIM - 265/70R17 XL 118S

18" RIM - 255/70R18 XL 116S

BFGOODRICH ALL-TERRAIN T/A K02 TYRE



17" RIM - LT265/70R17 121/118S

18" RIM - LT255/70R18 117/114S

TYRES

NAPPA LEATHER



SADDLE LEATHER



DRIVER'S PACKS

UTILITY TRIM



LEATHER TRIM - BLACK



LEATHER TRIM - GREY/BLACK



INTERIOR TRIM



EXTERIOR OPTIONS AND ACCESSORIES

	EDITIONS		
	Grenadier	Grenadier Trialmaster	Grenadier Fieldmaster
BODY COLOUR			
Solid Paint			
- Scottish White	●	●	●
- Magic Mushroom	●	●	●
- Eldoret Blue	●	●	●
- Britannia Blue	●	●	●
- Sela Green	●	●	●
- Inky Black	●	●	●
Metallic Paint			
- Sterling Silver	●	●	●
- Shale Blue	●	●	●
- Queen's Red	●	●	●
- Donny Grey	●	●	●

	EDITIONS		
	Grenadier	Grenadier Trialmaster	Grenadier Fieldmaster
ACCENT COLOUR			
Contrast Roof - Painted			
- Scottish White (Solid)	●	●	●
- Inky Black (Solid)	●	●	●
Contrast Ladder Frame			
- Black Powder Coat	●	●	●
- Red Powder Coat	●	●	●
- Grey Powder Coat	●	●	●

	EDITIONS		
	Grenadier	Grenadier Trialmaster	Grenadier Fieldmaster
WHEELS			
17" Steel Wheel	●	●	-
18" Steel Wheel	●	●	-
17" Alloy Wheel	●	●	●
18" Alloy Wheel	●	●	●
Locking Wheel Nuts	●	●	●

	EDITIONS		
	Grenadier	Grenadier Trialmaster	Grenadier Fieldmaster
TYRES			
Bridgestone All-Terrain Tyre	●	-	●
BFGoodrich All-Terrain T/A KO2 Tyre	●	●	●

	EDITIONS		
	Grenadier	Grenadier Trialmaster	Grenadier Fieldmaster
ADDITIONAL EXTERIOR FEATURES			
Access Ladder	●	●	●
Side Runners	●	●	●
Bump Strips	●	-	●
Exterior Utility Belt*	●	●	●
Safari Windows	●	●	●
Heat Reflective Privacy Glass	●	●	●
Rear Side Windows	●	●	●
Rear Side Panels**	○	○	○
Spare Wheel Cover	-	●	●
Spare Wheel Lockable Storage Box	●	●	●
National Flag Plaque	●	●	●

● STANDARD ○ AVAILABLE ● OPTION ● ACCESSORY



INTERIOR OPTIONS AND ACCESSORIES

	EDITIONS		
	Grenadier	Grenadier Trialmaster	Grenadier Fieldmaster
SEATING			
Utility Trim	●	●	-
Leather Trim - Black	●	●	●
Leather Trim - Grey/Black	●	●	○
Heated Front Seats	●	●	●
Heavy Duty Seat Covers – Front	●	●	●
Heavy Duty Seat Covers – Rear	●	●	●
COMFORT			
Nappa Leather Driver's Pack	●	●	●
Saddle Leather Driver's Pack	●	●	●
Central Storage Tray	●	-	-
Central Stowage Box, Lockable	●	●	●
FLOORING			
Heavy Duty Utility Flooring with Drain Valves	●	●	●
Carpet Flooring	●	●	●
Rubber Floor Mats	●	●	●
Carpet Floor Mats	●	●	●

● STANDARD ○ AVAILABLE ● OPTION ● ACCESSORY



UTILITY OPTIONS AND ACCESSORIES

	EDITIONS		
	Grenadier	Grenadier Trialmaster	Grenadier Fieldmaster
PACKS			
Rough Pack			
- Differential Locks Front & Rear - BFGoodrich All-Terrain T/A KO2 tyres	●	●	●
Smooth Pack			
- Rear-View Camera - Park Assist Front (PDC) - Power Heated Exterior Mirrors - Heated Windscreen Washer Jets - Central Stowage Box, Lockable - Puddle Lamps and Ambient Door Illumination - Auxiliary Charge Points	●	●	●
POWER			
Auxiliary Charge Points	●	●	●
Auxiliary Battery	●	●	●
High Load Auxiliary Switch Panel & Electrical Preparation	●	●	●

	EDITIONS		
	Grenadier	Grenadier Trialmaster	Grenadier Fieldmaster
OFF-ROAD CAPABILITY			
Centre Differential Lock	●	●	●
Differential Locks Front & Rear	●	●	●
Underride Protection	●	●	●
Raised Air Intake	●	●	●
Raised Air Intake Cyclone Pre-Cleaner	●	●	●
Rock Sliders	●	●	●
40" Front LED Light Bar (incl. mounting brackets)	●	●	●
WINCHING & TOWING			
Integrated Heavy Duty Winch - 5.5T	●	●	●
Removable Winch with Tow Mounting Kit - 3.5 T	●	●	●
Off-Road Recovery Kit	●	●	●
Heavy Duty Spade	●	●	●
Fixed Towball and Electrics	●	●	●
50mm Towball & Jaw and Electrics	●	-	-

● STANDARD ○ AVAILABLE ● OPTION ● ACCESSORY



UTILITY OPTIONS AND ACCESSORIES

	EDITIONS		
	Grenadier	Grenadier Trialmaster	Grenadier Fieldmaster
SAFETY, SECURITY & CONVENIENCE			
Advanced Anti-Theft Alarm & Immobiliser	●	●	●
Park Assist Rear (PDC)	●	●	●
Park Assist Front (PDC)	●	●	●
Rear-View Camera	●	●	●
Power Heated Exterior Mirrors	●	●	●
Heated Windscreen Washer Jets	●	●	●
Roadside Emergency Kit	●	●	●
Roadside Emergency Kit Plus	●	●	●
Smoker's Pack	●	●	●
Compass with Altimeter	●	●	●

INTERIOR CARGO

Interior Utility Rails	●	●	●
Cargo Management System	●	●	●
Foldable Tailgate Camp Table	●	●	●
Utility Cargo Barrier - Half-height	●	●	●
Full-height Loadspace Divider	●	●	●
Collapsible Luggage Organiser	●	●	●
Loadspace Partition Net	●	●	●
Luggage Retention Net - Floor	●	●	●
Quick Release Tie-Down Rings (x4)	●	●	●

	EDITIONS		
	Grenadier	Grenadier Trialmaster	Grenadier Fieldmaster
ROOF CARGO			
Full-length Roof Rack	●	●	●
Roof Cross-bars	●	●	●
Spare Tyre Carrier for Roof Rack	●	●	●
Gas Bottle Holder for Roof Rack	●	●	●
Hi-Lift Jack Mounting Bracket for Roof Rack	●	●	●
Jerry Can Mount for Roof Rack	●	●	●
Load Mounting Brackets for Roof Rack	●	●	●
Roof Mounted Axe and Shovel Bracket	●	●	●
Roof Tie-down Rings	●	●	●
Sand Ladder Side Mounting Brackets	●	●	●
Sand Ladder Flat Mounting Brackets	●	●	●
RotopaX™ Mounting Bracket	●	●	●
Spot Light Bracket	●	●	●
Folding Aerial Mount	●	●	●
Vehicle Integrated Side Awning (270°)	●	●	●
Lockdown Security Cable	●	●	●
Cargo Load Straps	●	●	●
Surfboard Carrier for Roof Rack	●	●	●
Roof Mounted Cargo Box	●	●	●
Roof Kayak Mount, Saddles	●	●	●
Roof Kayak Mount, J-style	●	●	●
Roof Mounted Bike Carrier	●	●	●
Roof Mounted Ski/Snowboard Carrier	●	●	●
Roof Mounted Adjustable Load Holder	●	●	●

● STANDARD ○ AVAILABLE ● OPTION ● ACCESSORY



6.

COMPREHENSIVE SUPPORT FOR ALL CUSTOMERS

GRENADIER CUSTOMERS
SALES, AFTERSALES
AND CUSTOMER SUPPORT

GRENADIER CUSTOMERS

UNCOMPROMISINGLY DEMANDING

The Grenadier spearheads INEOS Automotive's goal of building vehicles with purpose with real appeal for demanding customers. It draws together a trio of key characteristics valued above all else by typical Grenadier customers: excellent off-road ability, functional good looks, and outstanding reliability.

Typical Grenadier customers are expected to come from a wide range of sectors and groups: emergency services, search and rescue services, aid and health agencies, farmers and land estate managers, ski and safari operators, equestrian, outdoor pursuits, yachting, off-road and 4X4 enthusiasts, and customisers. Despite these diverse backgrounds, all are united by their requirement for a durable, reliable and capable vehicle that will take them and their kit wherever they need to go, and then back again.



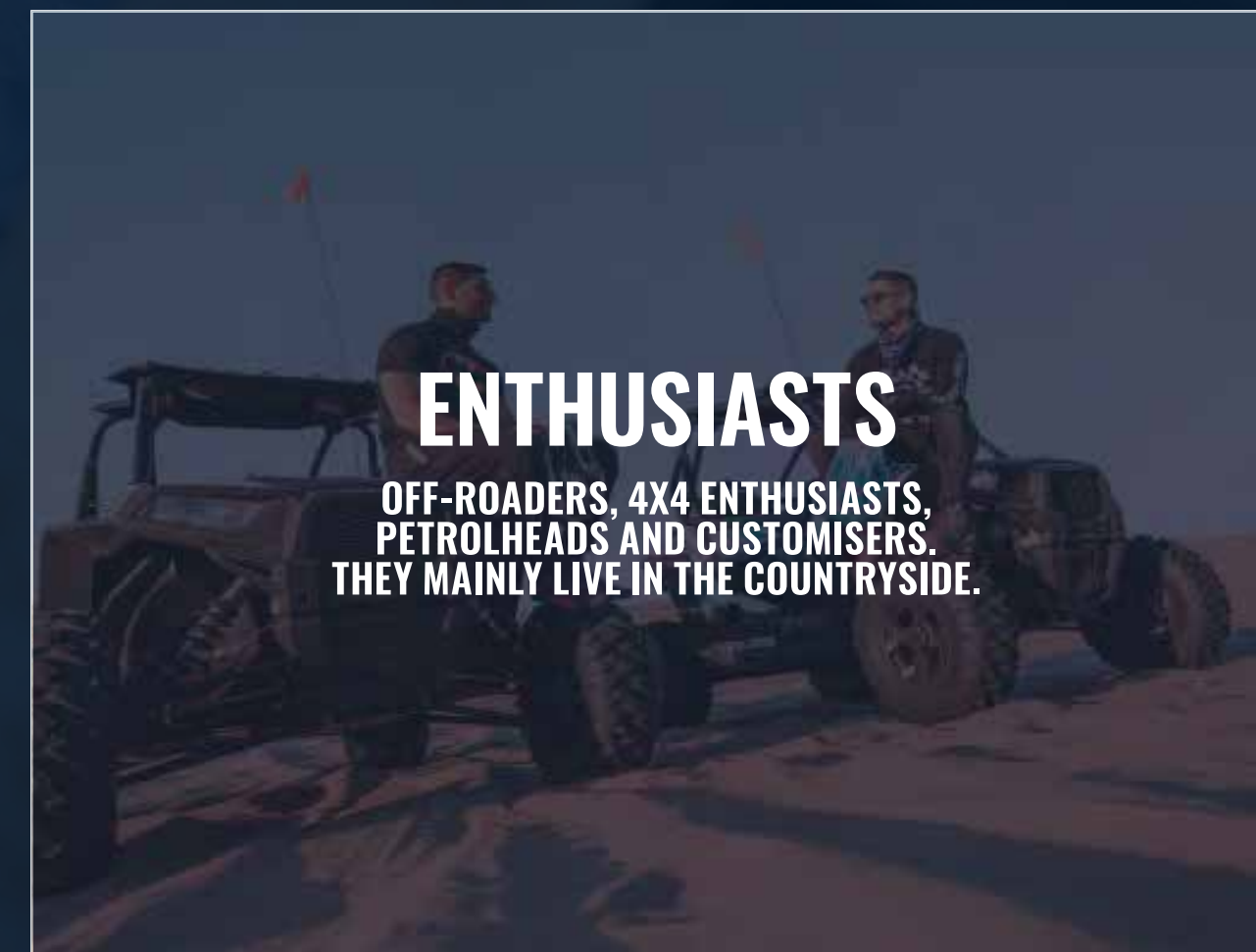
UTILITARIANS

FARMERS, ESTATE MANAGERS, SKI & SAFARI COMPANIES, OUTWARD BOUND OPERATORS, SMALL BUSINESS OWNERS.



LIFESTYLISTS

THEY'RE OVERLANDERS, EXPLORERS, LOVERS OF OUTDOOR PURSUITS AND SPORTS. THEY'RE INTO CLIMBING, MOUNTAIN BIKING, HIKING, KAYAKING, SKIING AND FISHING.



ENTHUSIASTS

OFF-ROADERS, 4X4 ENTHUSIASTS, PETROLHEADS AND CUSTOMISERS. THEY MAINLY LIVE IN THE COUNTRYSIDE.



CORPORATES

GOVERNMENT, EMERGENCY SERVICES, NGOS, CONSTRUCTION, UTILITIES, SEARCH & RESCUE, RENTAL / PRIVATE HIRE.

SALES, AFTERSALES AND CUSTOMER SUPPORT



CUSTOMER SERVICE FOR EVERY STEP

INEOS Automotive's UK-based customer contact centre is on hand to support those just beginning to learn about the Grenadier, as well as those who need help as they finalise their order. Customers can get in touch by phone, email, and via live webchats.

The English desk is open 24/7. The German-language team is available from 7am to 7pm on weekdays, and 8am-4pm at weekends. Italian, Spanish and French speaking support staff are available between 8am and 5pm, Monday to Friday. All times are BST.



TOTAL SUPPORT FOR OWNERS

By removing unnecessary complexity, stripping back electronics and providing accessible information, there's less to go wrong and, if it does, it's easy to fix. From the full box-section ladder frame to the corrosion-resistant and galvanised body, every component on the Grenadier is engineered for strength and built to last. INEOS has taken the best possible engine, gearbox, axle and transfer case combination for the Grenadier and specifically tuned them to accomplish the task in hand.



SERVICE, PARTS AND MANUALS

Retailers will be the backbone of the service network, providing maintenance, repair and parts. Additional geographical coverage will be provided by hand-picked INEOS-accredited Bosch Car Service and independent 4X4 specialist workshops.



The aim is for most customers to always be within reasonable distance of an authorised service point. 'Flying Spanner' technicians from INEOS HQ are on-call if the service network needs additional support. Roadside assistance will also be included as standard with every Grenadier. For all owners, help will never be far away.

INEOS Automotive recommends a regular 12-month servicing interval for the Grenadier, or six-month servicing for continuous tough environments.

For owners who want to carry out work on their Grenadier themselves, INEOS will provide online 3D interactive manuals with support from the technical team at INEOS HQ just a call or a click away. The vehicle has been deliberately designed and engineered to be easy to work on inside and out.

The INEOS-accredited service network will hold stock of common parts to ensure customers can get back on the road quickly. Any parts that aren't on the shelf in the network will be dispatched from a 6,000m2 global parts hub in Belgium by express courier.

After 1.1 million miles of testing and development, INEOS is exceptionally confident in the Grenadier's durability and reliability, which is reflected by its comprehensive warranty package:

Five-year, unlimited mileage mechanical warranty*

Five-year 60,000 mile / 100,000 km emissions warranty

Two-year warranty for parts

12-year anti-perforation warranty for ladder-frame chassis and body components

† Full pricing in the online configurator and finance tool is available for customers in:

Europe: United Kingdom, Germany, France, Spain, Italy and Austria

Sub-Saharan Africa: South Africa

APAC: Australia, New Zealand

* Five-year, unlimited mileage mechanical warranty for UK, Europe, Australia, New Zealand, Middle East and Asia. Five-year, 60,000 mile / 100,000 km mechanical warranty for Africa





BUILDING THE GRENADIER

PRODUCTION
DEVELOPMENT
THE HALO TRUST



PRODUCTION FACILITY

INEOS Automotive's Hambach plant is a state-of-the-art 210,000 sqm facility. It employs a highly experienced direct workforce of 1,000 with an excellent track record for the quality of its output. Its proximity to the German automotive cluster around Stuttgart gives it excellent access to supply chains, automotive talent and sales markets.

Since acquiring Hambach from Mercedes-Benz in January 2021, INEOS Automotive has invested over €50m in addition to the €470m invested at the site in 2019. The Grenadier line includes a new semi-automated paintshop, a new fully-automated bodyshop, and a new quality centre.

In 2021, INEOS Automotive produced over 26,600 smart cars and almost 30,000 EQA front-end modules under contract to Mercedes-Benz.

INEOS Automotive has installed all-new IT and supply chain systems for production planning, logistics and parts quality monitoring, meaning the Grenadier operation is benefiting from the latest technology and is completely independent of the smart car assembly line.

Hundreds of Grenadier production prototypes were built at Hambach and deployed for final test rounds including crash testing for certification and to validate the assembly process and build quality. The Hambach workforce underwent 20,000 hours of training in preparation for the start of series production in mid-October 2022.

210,000
SQM FACILITY

ACQUIRED FROM
**MERCEDES-
BENZ**

EXPERIENCED
WORKFORCE

DEVELOPMENT

A MILLION MILES TO BE THE BEST

The Grenadier's development programme saw 130 '2B' second-generation engineering prototype vehicles undertake a rigorous, global testing schedule.

INEOS Automotive selected the best suppliers from the automotive industry and subjected their components through an arduous testing regime of 1.1 million miles / 1.8 million kilometres across 15 different countries, in all climates and across all terrains. The Grenadier is developed to last and engineered to keep going, year after year, and is backed up with a class-leading five-year, unlimited mileage mechanical warranty for UK, European, Australian, New Zealand, Middle East and Asian markets, and a five-year, 60,000 mile / 100,000 km mechanical warranty for African markets.

Transitioning from concept to series development marked the moment the INEOS Grenadier team was joined by experts from the 4X4 specialists Magna Steyr and AVL, the world's largest independent company for the development, simulation and testing of powertrain systems.

Both these automotive powerhouses are based in Graz, Austria and their development teams drew on decades of experience to put the Grenadier through a gruelling development programme.

The Grenadier's testing programme took in some of the most extreme environments. For example, off-road development locations included one of the most formidable 4X4 testing grounds in the world – the notorious trails of the Schöckl mountain north of Graz.

Engineers also successfully completed extensive cold weather engine calibration with Grenadier prototypes in northern Sweden, vehicle dynamic development in Hungary, and hot weather testing in Morocco and the Middle East. In total, around 350 engineers from INEOS Automotive, Magna Steyr and AVL were involved in the Grenadier's development programme.



VS THE DESERT

The Sahara Desert in Morocco. Location of Episode 4 in our 'Grenadier VS' series. With scorching heat, rock, dust, and deep sand, it felt like the perfect place to continue testing our rugged 4X4.

9 DAYS TESTED
2,624 FT ALTITUDE
1,677 MILES OFF-ROAD



VS THE HEAT

Three weeks in the heat, dust and high altitude of the Sierra Nevada mountains. Three test vehicles clocking up a total of 7,021 miles on and off-road. Temperatures up to 105.8°F and heights of 8,202 ft above sea level.

105.8°F TEMPERATURE
8,202 FT ALTITUDE
7,021 MILES TESTED



VS THE MOUNTAINS

Austria's Schöckl Mountain is one of the world's toughest 4X4 proving grounds, its rocky terrain a rigorous test of a vehicle's robustness. The perfect place then to continue the testing of the Grenadier's body, frame and overall durability.

31° MAX GRADIENT
4,740 FT ALTITUDE
1,242 MILES PER VEHICLE



VS ARCTIC

Located in the northernmost province of Sweden, Arjeplog is known for its subarctic climate, with record lows of -47.2°F. A tiny, remote place that boasts more lakes and reindeer than people, it's a well-known proving ground to test winter off-road capabilities.

20 DAYS TESTED
7.6°F TEMPERATURE
2,485 MILES COMPLETED



THE HALO TRUST

THE IDEAL DEVELOPMENT PARTNER

Since 2020, INEOS Automotive has been working with The HALO Trust as a development partner for the Grenadier. Set up in 1988 by two former British soldiers, The HALO Trust is world's largest humanitarian mine clearance and weapons disposal charity, operating in over 30 countries and employing 12,500 local deminers across the globe.

With more than 600 4X4 vehicles based in some of the most remote and inhospitable places on the planet, The HALO Trust needs an off-road fleet that is tough, reliable and fit for purpose.

Seeing how drivers deal with the terrain and repair vehicles in challenging conditions and with only basic tools has helped shape the ongoing development of the Grenadier.

INEOS Automotive's first programme with The HALO Trust was on an active operation in Angola, gaining first-hand experience of the tough working conditions the Trust's 4X4 fleet encounters. Seeing how the charity's vehicles negotiate pitted and sometimes undrivable roads, often making repairs in the field with only simple equipment, has helped shape the ongoing development of the Grenadier.

One of the Grenadier prototypes also helped The HALO Trust get to work clearing landmines in Kosovo. It's not your average commute. The charity's work often starts where the road ends. Seeing how the Grenadier handles Kosovo's rocky, muddy, rutted tracks often in the snow and rain, helped INEOS Automotive with the 4X4's development programme.



8

TECHNICAL SPECIFICATIONS



TECH SPECS



POWERTRAIN

	Petrol	Diesel
Engine	BMW B58	BMW B57
Cylinders and Layout	6 (Straight)	6 (Straight)
Valves	24 (DOHC)	24 (DOHC)
Fuel Delivery	DIRECT INJECTION	COMMON RAIL DIRECT INJECTION
Displacement [cc]	2,998	2,993
Cylinder Bore x Stroke [mm]	82 x 94.6	84 X 90
Compression Ratio	11.0:1	16.5:1
Maximum Power [Kw]	210 (4750 rpm)	183 (3250-4200 rpm)
Maximum Power [PS]	286 (4750 rpm)	249 (3250-4200 rpm)
Maximum Torque [Nm]	450 (1750-4000 rpm)	550 (1250-3000 rpm)
Transmission	ZF 8HP51	ZF 8HP76
Number of Gears (automatic)	8	8
Transfer Case Ratio	2.5:1	2.5:1

PERFORMANCE

	Petrol	Diesel
Maximum Speed [km/h]	160	160
Acceleration: 0-100km/h [s]	8.6	9.9

FUELLING

	Petrol	Diesel
Fuel Quality (sulphur) [ppm]	30	50
Fuel Capacity [l]	90	90
AdBlue Capacity [l]	-	17

SUSPENSION AND BRAKES

Front Suspension	5-Link with Coil Springs
Rear Suspension	5-Link with Coil Springs
Front Axle	Solid Beam
Rear Axle	Solid Beam
Front Brakes	Ventilated Disc
Rear Brakes	Solid Disc
Front Brake Disc Diameter [mm]	316
Rear Brake Disc Diameter [mm]	305
Front Calipers	Twin Piston
Rear Calipers	Single Piston

STEERING

Steering System	Hydraulically Assisted Power Steering
Turning Circle (kerb-kerb) [m]	13.5



TECH SPECS



EXTERIOR DIMENSIONS

Length (including spare wheel) [mm]	4,896
Width with Mirrors [mm]	2,146
Width without Mirrors [mm]	1,930
Vehicle Height [mm]*	2,036
Track Width [mm]	1,645
Front Overhang [mm]	887
Rear Overhang [mm]	874
Wheelbase [mm]	2,922

OFF-ROAD GEOMETRY*

Ground Clearance [mm]	264
Approach Angle [°]	35.5
Ramp Breakover Angle [°]	28.2
Departure Angle [°]	36.1
Gradeability [°]	45
Wading Depth [mm]	800
Front Axle Articulation [°]	9
Rear Axle Articulation [°]	12
Wheel Travel [mm]**	585
RTI (20° Ramp)**	585

*Measured at kerb weight. **Dependant on vehicle load.
 †Combined Cycle, low figure from base vehicle, high from fully optioned vehicle with BFGoodrich All-Terrain T/A KO2 tyres.

EMISSIONS EU6 (WLTP)†

UTILITY WAGON (2 SEAT)

	Petrol	Diesel
Fuel Economy [mpg]	18.5 - 21.4	23.9 - 27.4
CO2 Emissions [g/km]	299 - 346	268 - 308
Carbon Monoxide, CO [mg/km]	389	78
Nitrogen Oxides, NOx [mg/km]	15.7	23.1
Hydrocarbons, THC & Nitrogen Oxides, NOx [mg/km]	-	31.8
Smoke Particulates [mg/km]	0.1	0.2

STATION WAGON (5 SEAT)

	Petrol	Diesel
Fuel Economy [mpg]	18.5 - 21.4	23.9 - 27.4
CO2 Emissions [g/km]	299 - 346	268 - 308
Carbon Monoxide, CO [mg/km]	389	78
Nitrogen Oxides, NOx [mg/km]	15.7	23.1
Hydrocarbons, THC & Nitrogen Oxides, NOx [mg/km]	-	31.8
Smoke Particulates [mg/km]	0.1	0.2

STATION WAGON (BELSTAFF EDITIONS)

	Petrol	Diesel
Fuel Economy [mpg]	18.7 - 21.9	24.1 - 28
CO2 Emissions [g/km]	293 - 342	263 - 304
Carbon Monoxide, CO [mg/km]	389	78
Nitrogen Oxides, NOx [mg/km]	15.7	23.1
Hydrocarbons, THC & Nitrogen Oxides, NOx [mg/km]	-	31.8
Smoke Particulates [mg/km]	0.1	0.2



9.

DID YOU
KNOW?



INTERESTING FACTS

ABOUT THE INEOS GRENADIER

The Grenadier's tyre valves are steel rather than rubber units, to ensure they won't tear away from the tyres if the tyres lose traction and spin in heavy coarse mud, leaving the vehicle, quite literally, stuck in the mud.

Circular light units of equal diameter at the Grenadier's front and rear imply the strength of a solid tube running from front to back.

The replica hexagonal bolts on all the doors' exterior hinges play a vital security role. The actual hinge bolts are located on the inside of the doors. Why? To stop anyone from simply unbolting the doors from the outside so they can access the cabin and make off with the doors.

The port and starboard highlights on the centre console and overhead control panel are a subtle nod to Sir Ben Ainslie's INEOS Britannia sailing team.

Some of the routes tackled in the Scottish Highlands during this event trace the original Scottish 6 Days Trial routes covered by Northern Irish championship winning racer Sammy Miller, MBE.

One of the five pound notes that adorn the ceiling of the pub features a sketch of what was to become the Grenadier 4X4, drawn during the legendary meeting at which the idea of the off-road vehicle was first conceived.

INEOS

GRENADIER