



#BESTUNDERPRESSURE







BGA IS PART OF 4BG GROUP, ORIGINAL MANUFACTURER SINCE 1929.



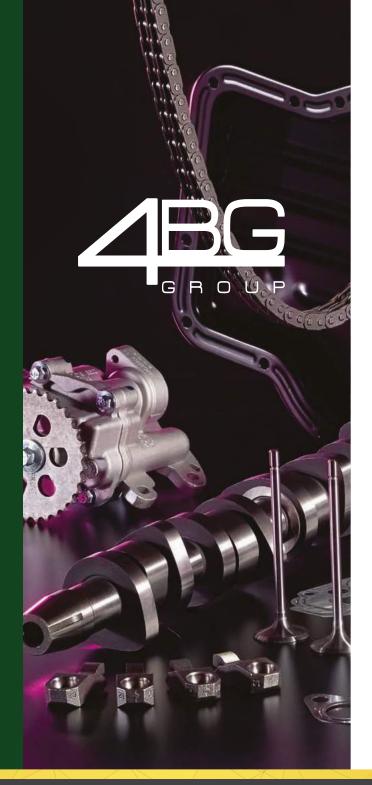






4BG GROUP CUSTOMERS

4BG Group is one of the largest privately owned manufacturing groups within our market sector.





















































BGA HEADQUARTERS

UNITED KINGDOM















BGA MANUFACTURING

8 Factories Worldwide

Various Joint Ventures

OE Quality as Controlled by the Group









TESTING & QUALITY CONTROL

BGA uses OE (Original Equipment) parameters and tolerances as the mandatory MINIMUM requirements to pass our quality controls - meaning that our parts and components can and will often surpass OE.



VVT FUNCTION TESTING

ENSURING BGA VVT SPORCKETS OUTPERFORM THE ORIGINAL.

The VVT is mounted in a bespoke fixture which enables real world evaluation of torque performance, which is critical to its operation within the engine valve train.

TENSILE TESTING OF CHAINS

GUIDE SIZING

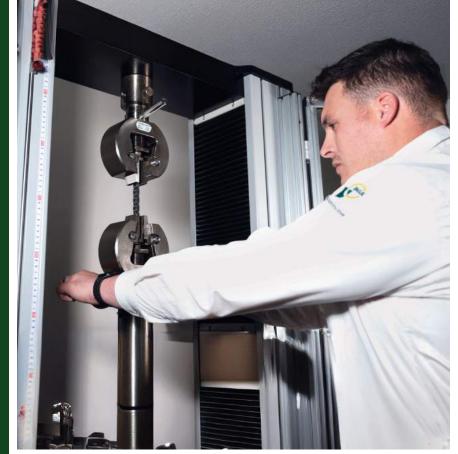
Utilizing a CMM machine to evaluate Guide sizing against OE, guarantees original specification alignment and fitment.

To meet the design criteria, parts are subjected to control pulling force with a range of difference parameters measured, presented as a line graph showing elongation, yield point, maximum operating load and maximum load.





RESEARCH & DEVELOPMENT CENTRE

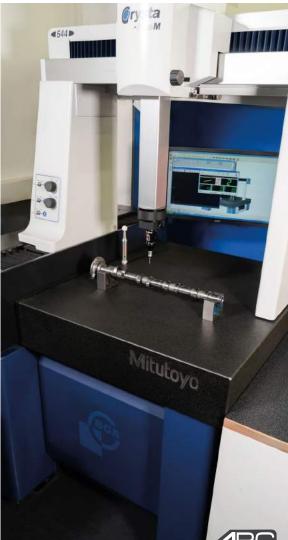














STRONG BRAND PARTNER

Value added supplier of Aftermarket products.

BRAND

- Genuine OE credentials.
- Recognised Globally.
- Multi Channel campaigns viewed millions of times annually.

ONE OFFER

- No brand new or remanufactured confusing offer.
- No confusion over what comes in the box.
- BGA brand, BGA product, one price, <u>brand new.</u>

FULL SERVICE SUPPLIER

- UK company.
- Full technical support.
- UK stock holding.





WORLDWIDE EXHIBITIONS & CUSTOMER SUPPORT



AAPEX **Las Vegas**

AUTOMECHANIKA **MEXICO CITY**

CUSTOMER SHOWS AROUND THE WORLD AND MORE



#BRITISHCAFE

AUTOMECHANIKA **DUBAI**

AUTOPROMOTEC ITALY



BGA GLOBAL SUPPLY

500 Customers 75+ Different countries

- Europe
- USA
- Australia
- Middle East
- Africa

SUPPLYING THE WORLDS LARGEST BUYING GROUPS:











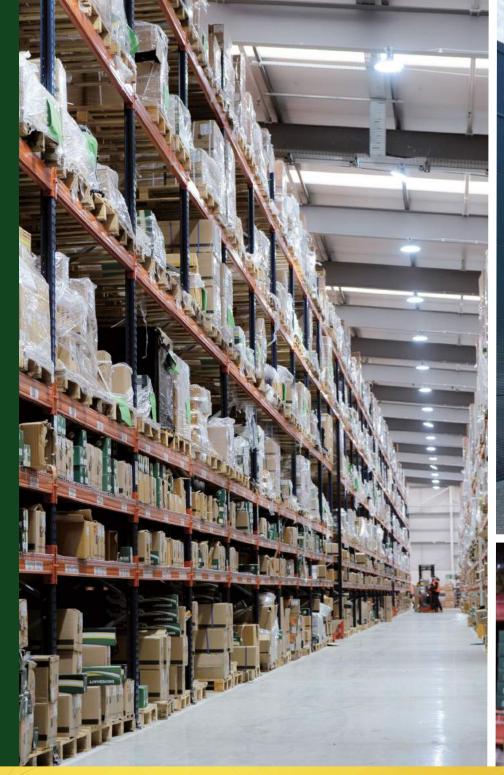
Rapid





BGA LOGISTICS

- Larger facilities (160,000ft² with higher racking capabilities).
- 10 Loading Bays.
 - High tech Warehouse
- management system.
- Stock holding increase.
- Increased speed, efficiency and accuracy.
- Massively improved IT Infrastructure.
- 10 Pallet high racking.
- Large investments in machinery and equipment.









QUALITY STATEMENT



Block Exemption Regulations



Certificate of Registration

QUALITY MANAGEMENT SYSTEM - IATF 16949-2016

This is to cortify the:

Bitch Caskets Limited
7 Birch On Lare
2010 128
Control 128
Control

PRODUCT RANGE





CAMTRAIN

Camshafts, Rocker Shafts, Lifters/Tappets, Rocker Arms, Valves & Guides, Valve Stem Seal Sets.



COOLING

Water Pumps, Thermostats, Water Flanges, Viscous Fans, Radiator Caps.



CRANKSHAFT PULLEY

Crankshaft Pulley, Crankshaft Pulley Bolts.



DRIVE BELTS & COMPONENTS

Drive Belt, Idler Pulley, Tensioners, Overrunning Alternator Pulley.



ENGINE VENTILATION

Rocker Cover, Inlet Manifold.



GASKETS, BOLTS, SEALANT

Head Gasket Kits, Manifold Gasket, Crankshaft & Camshaft Oil Seals, EGR Gaskets, etc.



LUBRICATION

Oil Pumps, Oil Control Valves, Sump Pans, Sump Plugs, Transmission Plugs.



OIL COOLER

Oil Cooler with/without Gaskets.



STEERING & SUSPENSION

Track Control Arms, Bushes, Stabiliser Links, Strut Mounts, Ball Joints, Tie Rod Ends, Engine Mounts.



TRANSMISSION

Drive Shafts, CV Joints, Clips, Grease, Boots, Power Steering Pump with/without Accessories.



TIMING BELT KITS

Timing Belt Kits, Belts, Tensioner, Idler Pulleys, Water Pumps, Bolts.



TIMING CHAIN KITS

Timing Chain Kits, Chains, Guides, Tensioner, Gaskets, Sprockets, VVT, Timing Cover, Bolts.





STEERING & SUSPENSION



- **✓** 5,300+ REFERENCES IN RANGE COVERING MORE THAN 425,300 APPLICATIONS
- ✓ TESTED TO 1 MILLION CYCLES FOR LONGEVITY
 AND A 2000HR SALT SPRAY TEST TO ENSURE
 RESISTANCE (OE ONLY TESTS FOR 720HR)
- ✓ 3 YEAR MANUFACTURER'S WARRANTY
 TO SUPPORT OUR QUALITY ASSURANCE
 COMMITMENT







382+Ball
Joints



1,267+
Bushes



856+ Stabiliser Links



1,213+Tie Rod
End



347+ Engine Mount



300+ Strut Mount



4+Air
Compressor





TIMING BELT KITS



- ✓ 240+ REFERENCES IN RANGE COVERING MORE THAN 19,000 APPLICATIONS
- **✓** QUALITY TESTED ON BESPOKE MACHINES BUILT TO SIMULATE COMBUSTION ENGINES
- ✓ 3 YEAR MANUFACTURER'S WARRANTY TO SUPPORT OUR QUALITY ASSURANCE COMMITMENT







186+Tensioner



110+ Idler



80+ Water Pump



20+

Bolts





DRIVE BELTS & MULTI V KITS

OEM BEARINGS IN IDLER & TENSIONER PULLEYS



- **✓** 971+ REFERENCES IN RANGE COVERING MORE THAN 72,500 APPLICATIONS
- ✓ OE QUALITY AS STANDARD ACROSS BGA'S FULL PRODUCT RANGE
- √ -40°C − +120°C OPERATING TEMPERATURES
 OUT PERFORMING OEM







51+Alternator
Pullev



195+ Tensioner



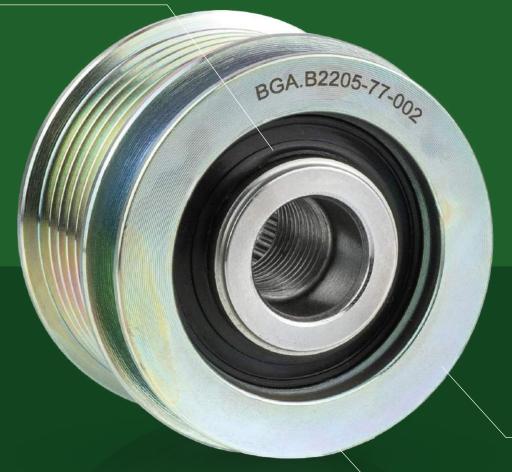
193+ Idler Pullev

HIGH THERMAL, WEAR AND FATIGUE PERFORMANCE (OIL, O-ZONE AND PILLING)





SUPERIOR QUALITY PINCH ROLLERS ENABLE SMOOTH FUNCTION LEADING TO LOWER NOISE AND VIBRATIONS



OVERRUNNING ALTERNATOR PULLEY

- **✓** 51+ REFERENCES IN RANGE COVERING MORE THAN 6,500 APPLICATIONS
- ✓ OE QUALITY AS STANDARD ACROSS BGA'S FULL PRODUCT RANGE
- ✓ 3 YEAR MANUFACTURER'S WARRANTY
 TO SUPPORT OUR QUALITY ASSURANCE
 COMMITMENT

HIGH-PERFORMANCE NEEDLE ROLLER NTN BEARINGS SUPPORT THE BELT LOAD CONTROLLING UNWELCOME MOVEMENT IN THE BELT





PLASTIC SEALING CAP PREVENTS CONTAMINATION OF THE BEARINGS AND EXTENDS THE LIFE OF THE PULLEY





TIMING CHAIN KITS



GUIDES

90+ YEARS OF OEM HERITAGE WITHIN 4BG GROUP, AN OE MANUFACTURER OF PLASTICS, MOULDINGS AND ENGINE PARTS FOR GLOBAL BLUE CHIP COMPANIES





ALL CHAINS ARE SUPPLIED PRE-LUBRICATED WITH A SPECIALLY FORMULATED CHAIN LUBRICANT

- √ 400+ REFERENCES IN RANGE COVERING
 MORE THAN 18,600 APPLICATIONS
- ✓ QUALITY TESTED ON BESPOKE MACHINES BUILT TO SIMULATE COMBUSTION ENGINES
- ✓ 3 YEAR MANUFACTURER'S WARRANTY TO SUPPORT OUR QUALITY ASSURANCE COMMITMENT







750+Sprocket & VVT Sprkt



375+Tensioner



1,125+Guides



10 Gaskets



50+ Seals



80+Bolts



Oil Feed Pipe



TIMING CHAIN

IS SURPASSED

ALL BGA TIMING CHAINS

QUALITY TESTING TO

ENSURE OEM QUALITY

TENSIONER

ENGINEERED IN THE UK AND TESTED TO OUTPERFORM ORIGINAL EQUIPMENT

ARE SUBJECT TO EXTREME







DRIVE SHAFTS & CV JOINTS

MANUFACTURED FROM PREMIUM QUALITY MATERIALS TO WITHSTAND HIGH TORQUE AND STRESS HARDNESS TESTING
OF ALL COMPONENTS
ENSURES LONGEVITY



A SPECIAL ANTI-WEAR GREASE IN OUR BEARINGS FOR HIGH MECHANICAL PRESSURE, WHICH IS COMPOSED OF MINERAL OIL, LITHIUM SOAP AND MOLYBDENUM DISULFIDE LARGER BALL BEARINGS PROVIDE
GREATER LOAD CAPACITY FOR THE CV JOINT

100% INSPECTED WITH "GO / NO GO" SPLINE GAUGES TO ENSURE THAT THE CRITICAL TOLERANCE OF OUR SHAFT SPLINES IS ACCURATE





3 YEAR MANUFACTURER'S WARRANTY TO SUPPORT OUR QUALITY ASSURANCE COMMITMENT







300+CV Joints



175+
Power Steering
Pumps



Metal Clips



Grease



Boots









ENGINEERED IN THE UK WITH A COMMITMENT TO SUPERIOR QUALITY AND PERFORMANCE

3 YEAR MANUFACTURER'S WARRANTY TO SUPPORT OUR QUALITY ASSURANCE COMMITMENT





- **✓** 250+ REFERENCES IN RANGE COVERING MORE THAN 13,500 APPLICATIONS
- ✓ OE QUALITY AS STANDARD ACROSS BGA'S FULL PRODUCT RANGE
- ✓ OPTIMAL VIBRATION ABSORPTION PERFORMANCE IS ACHIEVED DUE TO OUR OEM GROUPS MANUFACTURING EXPERIENCE



250+ Crankshaft Pulley



50+ Bolts

DYNAMICALLY BALANCED TO REDUCE ENGINE VIBRATION AND NOISE, ENHANCING PERFOR MANCE AND LONGEVITY OF THE ENGINE





CRANK PULLEY KITS COME SUPPLIED WITH REPLACEMENT TORQUE TO YIELD BOLTS WHICH CAN ONLY BE USED ONCE



POWER STEERING PUMPS

BRAND NEW
NO COSTLY SURCHARGE WITH THE
UNCERTAINTY OF CORE ACCEPTANCE.



- **✓** 250+ REFERENCES IN RANGE COVERING MORE THAN 5,500 APPLICATIONS
- ✓ EXTENSIVELY TESTED TO MATCH AND SURPASS OF QUALITY STANDARDS (LEAK, PRESSURE, FLOW PERFORMANCE AND VOLUME EFFICIENCY).
- 3 YEAR MANUFACTURER'S WARRANTY TO SUPPORT OUR QUALITY ASSURANCE COMMITMENT

OUR PUMPS FEATURE A PRECISION-FIT VALVE WHICH IS BENCHMARKED AGAINST OE APPROVED TOLERANCES.

PULLEYS ARE PRESS STEEL COATED ENSURING CORROSION RESISTANCE.









ENGINE VENTILATION



- ✓ 138+ REFERENCES IN RANGE COVERING MORE THAN 6,000 APPLICATIONS
- ✓ OE QUALITY AS STANDARD ACROSS BGA'S FULL PRODUCT RANGE
- ✓ 3 YEAR MANUFACTURER'S WARRANTY
 TO SUPPORT OUR QUALITY ASSURANCE
 COMMITMENT



Covers





49+ Inlet Manifolds









THERMOSTATS, RADIATOR CAPS WATER FLANGE, VISCOUS FAN

RESPONSIVE VISCOUS COUPLING, ALLOWING SEAMLESS TRANSITIONS BETWEEN ENGAGEMENT AND DISENGAGEMENT



- **✓** 585+ REFERENCES IN RANGE COVERING MORE THAN 66,500 APPLICATIONS
- ✓ OE QUALITY AS STANDARD ACROSS BGA'S FULL PRODUCT RANGE
- ✓ HIGH TORQUE PRECISION BEARINGS WITH
 PA POLYMER CAGES FOR HIGH OPERATING
 SPEEDS







120+ Water Flanges



65+ Radiator Caps



50+ Viscous Fans





DESIGNED TO PROVIDE EFFICIENT COOLING BY RESPONDING TO ENGINE HEAT, ENSURING OPTIMAL ENGINE TEMPERATURE IS MAINTAINED



WATER PUMPS

NBR RUBBER O-RINGS WITH OE QUALITY SILICON CARBIDE MECHANICAL SEALS



- **✓** 500+ REFERENCES IN RANGE COVERING MORE THAN 23,000 APPLICATIONS
- ✓ OE QUALITY AS STANDARD ACROSS BGA'S FULL PRODUCT RANGE
- ✓ HIGH TORQUE PRECISION BEARINGS WITH PA POLYMER CAGES FOR HIGH PERFORMANCE

CORROSION RESISTANT ALUMINIUM AND STEEL IMPELLERS PROVIDING MORE LONGEVITY THAN PLASTIC.

BGA'S WATER PUMPS HAVE ALL THE NECESSARY GASKETS, O-RING SEALS AND ASSOCIATED COMPONENTS









OIL COOLER

OPTIMAL PERFORMANCE GUARANTEED, KEEPING OIL AT THE RIGHT TEMPERATURE ENSURING EFFICIENT ENGINE OPERATION



- ✓ 170+ REFERENCES IN RANGE COVERING MORE THAN 17,400 APPLICATIONS
- ✓ OE QUALITY AS STANDARD ACROSS BGA'S FULL PRODUCT RANGE
- 3 YEAR MANUFACTURER'S WARRANTY TO SUPPORT OUR QUALITY ASSURANCE COMMITMENT

BGA'S OIL COOLER TESTING INVOLVES SEALING THE COOLER, APPLYING A VACUUM OR PRESSURE, AND MEASURING DECAY TO DETECT LEAKS, ENSURING COMPONENT RELIABILITY AND PERFORMANCE MATCHES OR SURPASSES THE OE EQUIVALENT

DESIGNED TO FIT SEAMLESSLY WITH A WIDE RANGE OF ENGINE TYPES ENSURING EASY INSTALLATION









SUMP PANS

LEAK AND PRESSURE-TESTED TO ENSURE LONG LIFE AND HASSLE-FREE FITTING



- ✓ 120+ REFERENCES IN RANGE COVERING MORE THAN 8,300 APPLICATIONS
- ✓ OE QUALITY AS STANDARD ACROSS BGA'S FULL PRODUCT RANGE
- ✓ 3 YEAR MANUFACTURER'S WARRANTY
 TO SUPPORT OUR QUALITY ASSURANCE
 COMMITMENT







150+ Sump Gasket



65+ Sump Plug











SEALING



- √ 5,600+ REFERENCES IN RANGE COVERING
 MORE THAN 302,000 APPLICATIONS
- ✓ OE QUALITY AS STANDARD ACROSS BGA'S FULL PRODUCT RANGE
- 3 YEAR MANUFACTURER'S WARRANTY TO SUPPORT OUR QUALITY ASSURANCE COMMITMENT



1,300+ Head Gasket



800+Manifold
Gasket



400+ Rocker Cover Gasket



150+ Sump Pan Gaskets



10 Timing Cover Gasket



100+ Valve Stem Seal Sets



350+ Crankshaft & Oil Seals



10+
Differential
Oil Seals



10 EGR Gaskets



Silicone Sealant



300+Silicone
Sealant



CAMTRAIN

3 YEAR MANUFACTURER'S WARRANTY TO SUPPORT OUR QUALITY ASSURANCE COMMITMENT



- 1,000+ REFERENCES IN RANGE COVERING **MORE THAN 80,700 APPLICATIONS**
- **OE QUALITY AS STANDARD ACROSS BGA'S FULL PRODUCT RANGE**
- PRECISELY MACHINED TO MATCH EXACT **✓** TOLERANCES FOR PERFECT ENGINE TIMING











2+ Camshaft Bridge

3+ Rocker Arm Bridge



MANUFACTURED USING PREMIUM QUALITY MATERIALS FOR LONG LIFE Camshafts

75+ Rocker Arms



Rocker

Shafts

5+ Cam Adjusters



475+ Valves & Valve Guides



90+ Hydraulic Lifter









TIMING COVER



- ✓ 20+ REFERENCES IN RANGE COVERING MORE THAN 1,550 APPLICATIONS
- ✓ OE QUALITY AS STANDARD ACROSS BGA'S FULL PRODUCT RANGE
- ✓ 3 YEAR MANUFACTURER'S WARRANTY
 TO SUPPORT OUR QUALITY ASSURANCE
 COMMITMENT

BEND AND BREAK ON REMOVAL WHEN CHANGING THE TIMING CHAIN KIT - NEED REPLACING



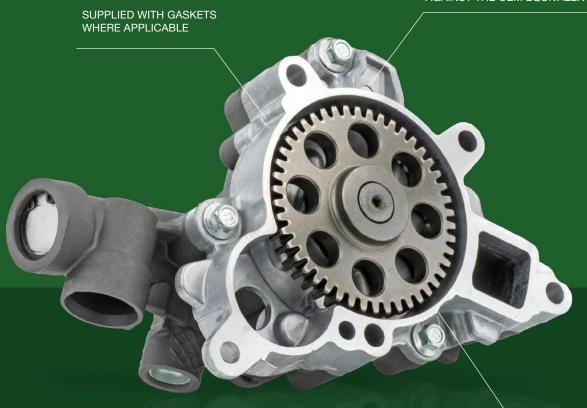






OIL PUMP

PERFORMANCE BENCHMARKED AGAINST THE OEM EQUIVALENT



- **✓** 200+ REFERENCES IN RANGE COVERING MORE THAN 9,000 APPLICATIONS
- ✓ OE QUALITY AS STANDARD ACROSS BGA'S FULL PRODUCT RANGE
- ✓ 3 YEAR MANUFACTURER'S WARRANTY
 TO SUPPORT OUR QUALITY ASSURANCE
 COMMITMENT

PRECISION-ENGINEERED TO ENSURE A 'PERFECT FIT' AND TO PREVENT LEAKAGE









OIL CONTROL VALVE

HIGH QUALITY MATERIALS AND ADVANCED MANUFACTURING TECHNIQUES ENSURE PRECISE OIL FLOW REGULATION



- ✓ 125+ REFERENCES IN RANGE COVERING MORE THAN 4350 APPLICATIONS
- ✓ OE QUALITY AS STANDARD ACROSS BGA'S FULL PRODUCT RANGE
- ✓ 3 YEAR MANUFACTURER'S WARRANTY
 TO SUPPORT OUR QUALITY ASSURANCE
 COMMITMENT

ALL MAKES PROGRAM COVERING AUDI, BMW, CITROEN, FIAT, FORD, HONDA, MERCEDES, NISSAN, PEUGEOT, TOYOTA, VAUXHALL AND VW ENGINES









TECHNICAL SUPPORT

Dedicated Training

 Educate your staff to be able to diagnose and help with your customers issues.

Video Content

 BGA offer video training content for 24/7 viewing.



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- Bulletins
- Posters
- Articles
- Videos
- In-box applications advice





NEW TO RANGE

Product management team focused on new product releases, giving you the edge over any competition with availability for newer vehicles.



BGA Ref

OE Ref

Vehicle TRC09108 31106861185 BMW 5 Series 2016-2020



Monthly 'New To Range' released containing references freshly released from the production line straight to your inbox!





BGA Ref OE Ref

TRC1483 9806738380

Vehicle Citroen DS5 2011-2015

BGA Ref OE Ref LR044016 SC4201

SC4201 LR044016 Vehicle

Land Rover Discovery 12-18 Range Rover Sport 11-13 Range Rover 2015 > Range Rover Sport 14-18

BGA Ref

Vehicle

Ford S-Max 2015-2018 TRC23012 5309139 TRC23012 5309139 Ford Galaxy 2018 >





- Dedicated joint customer campaigns.
- Millions of Targeted demographic reached by adverts yearly.

Highly engaged with Social media

influencers.

GLOBAL MARKETING SUPPORT



2023 FACEBOOK

REACHED 1,186,529 IMPRESSIONS 8,101,453



2023 Linkedin

REACHED **66,727**IMPRESSIONS **245,556**



2023 WEBSITE

USERS **241,197**PAGE VIEWS **857,868**



2023 NEWS SITE

USERS 37,887 PAGE VIEWS 146,954







ONLINE STORE / CATALOGUE

Launched February 2021

ONLINE STOCK CHECK & ORDERING

- Search for over 40,000 references.
- Check stock availability and pricing in real-time.
- Quickly place and save orders.
- Instant visibility of previous online orders.

CATALOGUE & REFERENCING

- Enhanced data accuracy and product imagery.
- Comprehensive database of cross-references.
- Improved product application search.





#BESTUNDERPRESSURE | ENGINEERED IN GREAT BRITAIN



BRITISH OEM SINCE 1929





www.bgautomotive.co.uk

