



# COOLING QUALITY STATEMENT

WATER PUMPS | THERMOSTATS | WATER FLANGES | VISCOUS FANS | RADIATOR CAPS



**1,060+ REFERENCES COVERING 65,000+  
VEHICLES FROM 1980-2023**



[www.bgautomotive.co.uk](http://www.bgautomotive.co.uk)





# BGA's WATER PUMP & COOLING RANGE.

1,060+ References fitting in excess of 65,000+ vehicle models covering all makes.



**WATER PUMP WITH GASKET/SEALS**



**WATER PUMP WITH HOUSING**



**THERMOSTAT**



**VISCOUS FAN**



**ADDITIONAL WATER PUMP**



**COOLANT FLANGE**



**RADIATOR CAP**



## QUALITY PROMISE

BGA uses OE (original equipment) parameters and tolerances as the mandatory MINIMUM requirements to pass our quality controls – meaning that our components can and will often surpass OE.

### Quality Certificates

4BG GROUP:



BLOCK EXEMPTION



ISO9001:2015



IATF 16949:2016

### 3 Year Guarantee

BGA offer a 3-year warranty on all products to back up the quality statement.

Mechanics will always endure full satisfaction and peace of mind while fitting BGA high quality parts and components.

### Heritage

BGA emerged as the aftermarket division of the 4BG Group, a leading OE Gasket and Engine component manufacturer formed in 1929 producing more than 128 million components annually.

**BGA OFFER COOLING PARTS FOR ALL MAKES OF VEHICLES.**





# BGA'S WATER PUMP QUALITY TESTING

Tested to match or surpass OEM quality.



## TEST RIG SIMULATING REAL LIFE MOVEMENT.

Custom built in BGA's Research & Development center, this machine is capable of running for millions of miles and is the 'go-to' machine when it comes to vigorously testing the quality and longevity of BGA Water Pumps against the OE alternative.

The rig has been built to simulate the drive of an internal combustion engine, containing Sprockets, a BGA Water Pump, Tensioner and a BGA Timing Belt all run by an electric powered motor controlled by bespoke software.

The motor has been programmed to endure the capabilities of simulating anywhere from 5mph up to 90mph, and is able to slow down/speed up as a typical running vehicle would do.

## IMPORTANT NOTE FROM THE R&D TEAM:

Endurance testing of the bearing used in the water pump is one of the most important elements.

Excessive vibration can cause catastrophic issues elsewhere in the pump. The Mechanical seal & in some cases belt damage can occur from this fault mode.

The bearing configuration is also important & pump specific. Each pump has different load requirements, and in some cases we have amended faults from OE & re-engineered the BGA product to avoid premature failure.





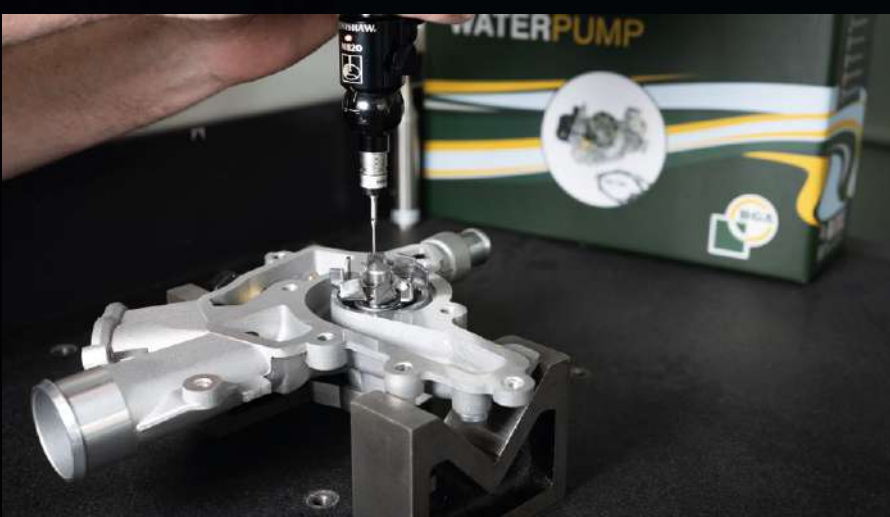
# MORE QUALITY TESTING:

A deeper dive into the crucial elements of our Cooling range testing.



## HARDNESS TESTING:

Thorough hardness testing of components is conducted to meticulously validate compliance with material specifications tailored for their specific applications. By ensuring precise adherence to the correct material selection, we guarantee the utmost durability and extended lifespan of the final product.



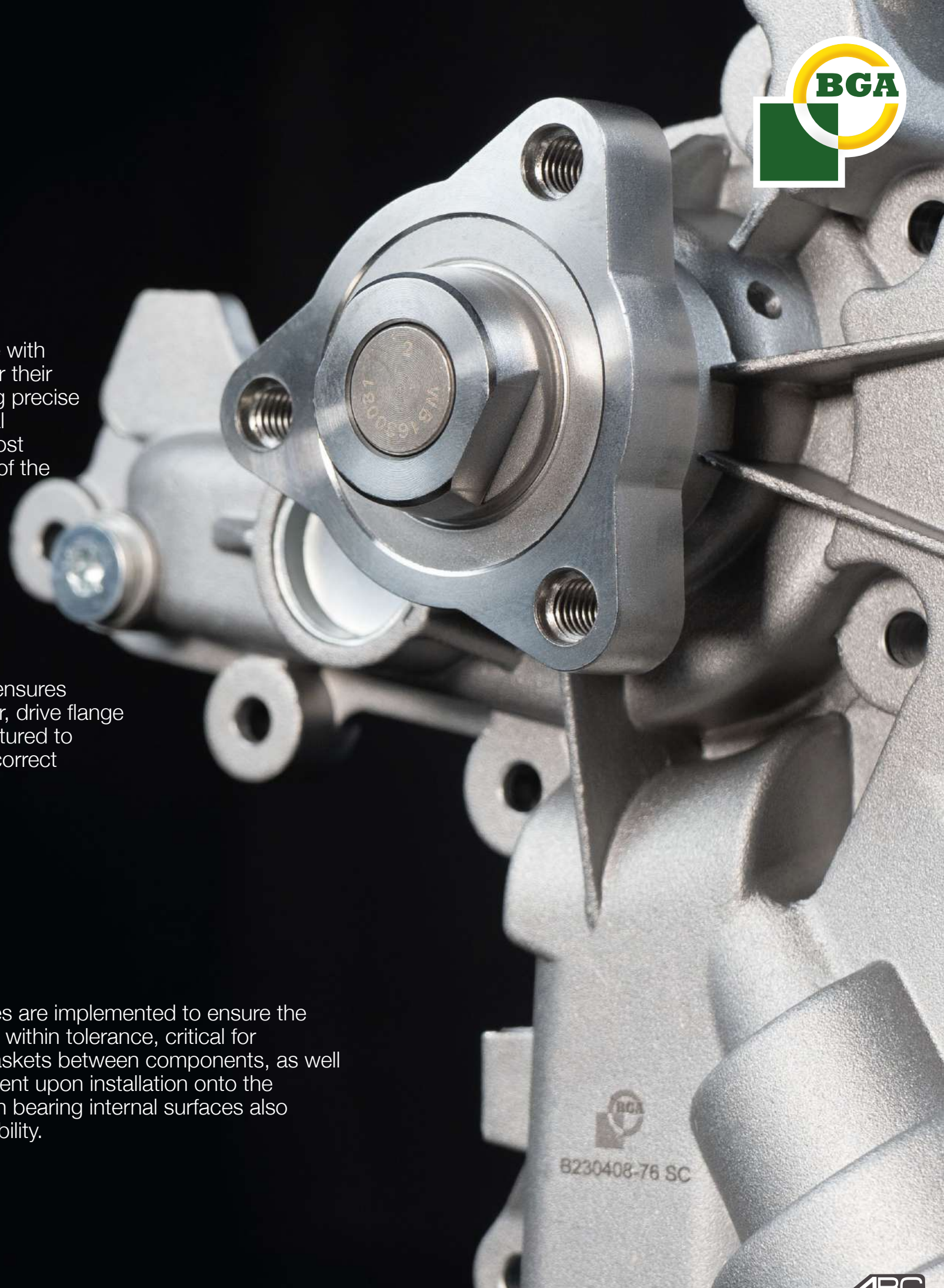
## CMM:

Coordinate Measuring Machine ensures components such as the Impeller, drive flange and Pulley are correctly manufactured to drawing specification to ensure correct fitment to the engine.



## SURFACE TESTING:

Stringent quality control measures are implemented to ensure the surface finish of components are within tolerance, critical for ensuring the proper sealing of gaskets between components, as well as achieving precise bearing fitment upon installation onto the casting. Correct tolerances within bearing internal surfaces also guarantee longer lifespan & durability.







## IMPORTANT ELEMENTS:

To ensure optimal quality, our Water Pumps undergo meticulous manufacturing processes leveraging cutting-edge technology within our advanced facilities. We remain steadfast in our commitment to implementing rigorous quality control inspections at every stage, thereby guaranteeing the superior performance and durability of our Water Pumps in the Aftermarket.

### KEY FEATURES OF THE RANGE INCLUDE:

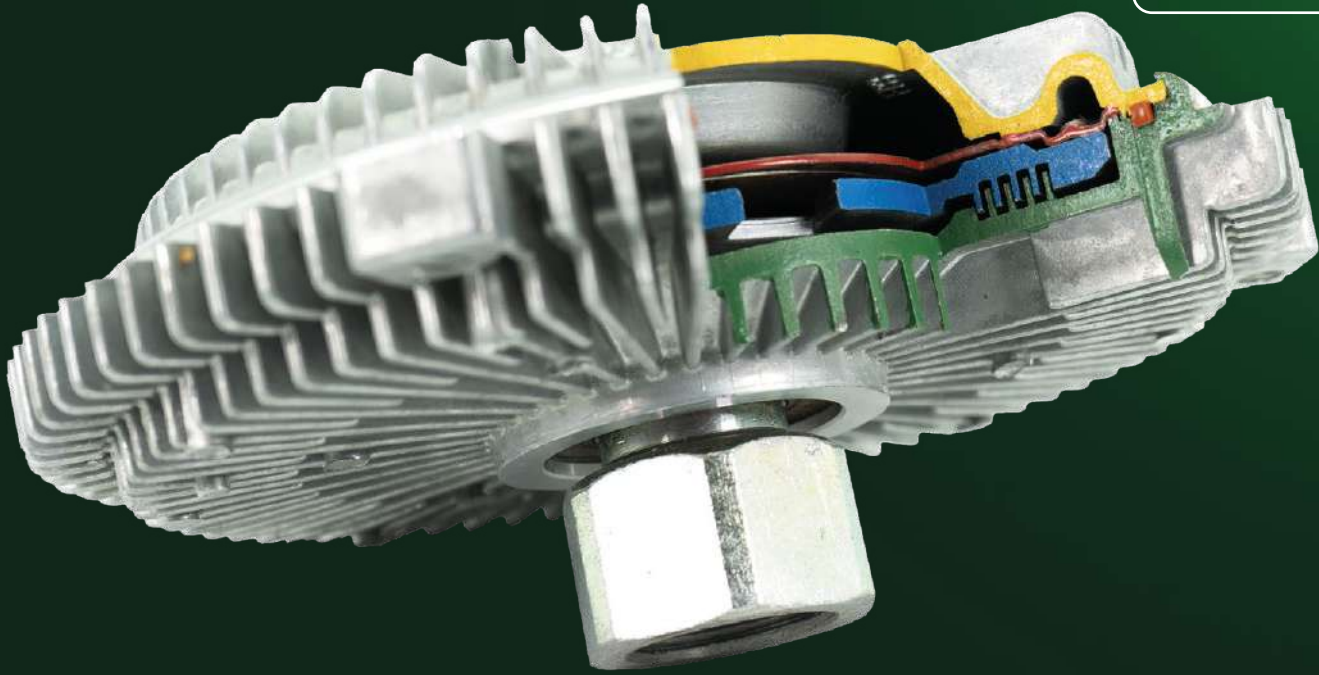
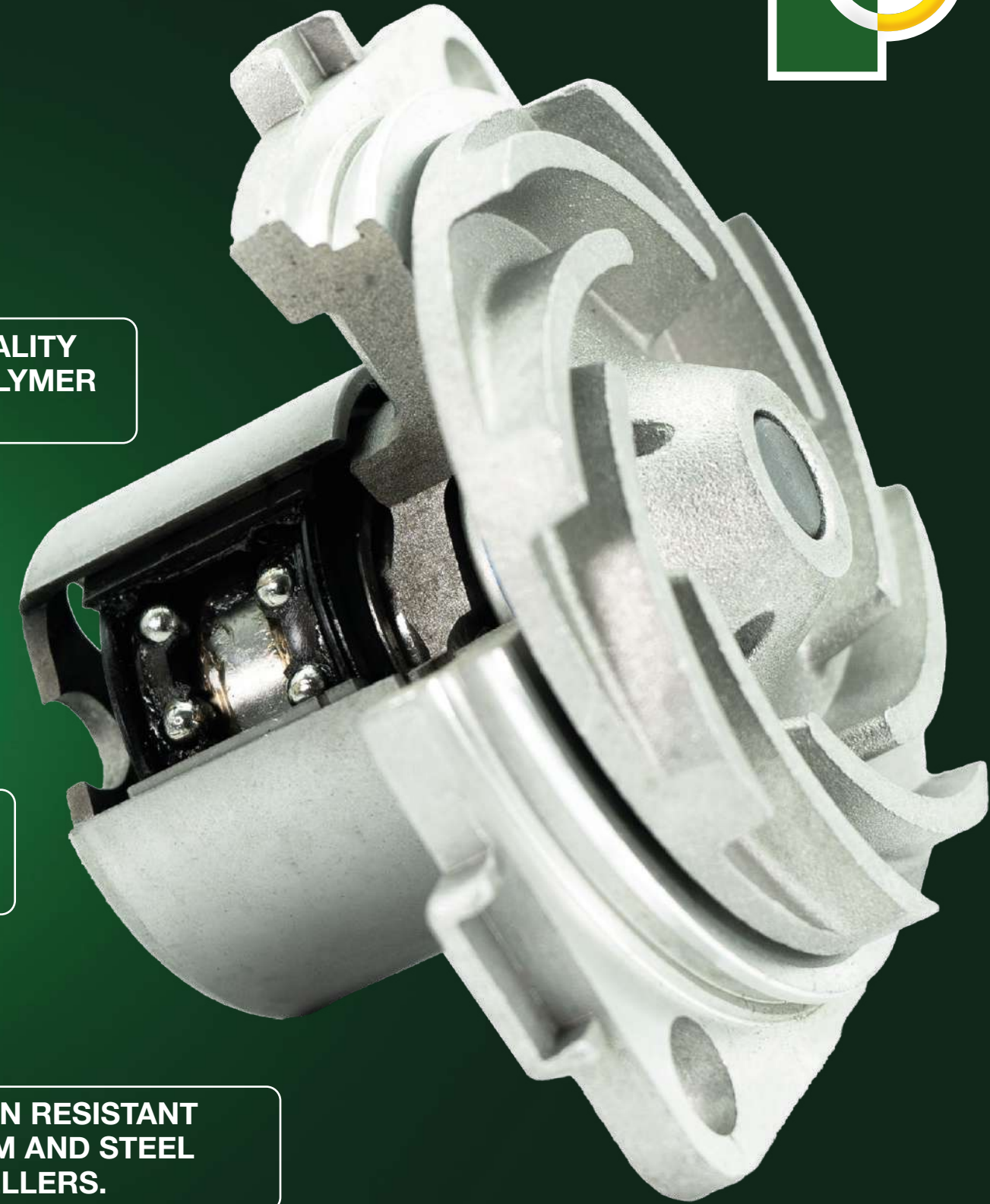
- The majority of BGA Water Pump range utilizes corrosion-resistant aluminium and steel impellers, surpassing 99% of the range's composition. This material selection ensures superior longevity compared to standard plastic alternatives.
- Our Water Pumps are equipped with OE quality Silicon Carbide mechanical seals, enhancing their service life, especially when operating in demanding environments.
- The incorporation of high-quality NBR rubber o-ring seals not only ensures excellent compression set but also enhances durability, further reinforcing the reliability of our Water Pumps.
- BGA Water Pumps are built with high-torque precision bearings featuring PA polymer cages, enabling them to operate at high speeds with exceptional stability. Complemented by high-temperature grease, our Water Pumps provide a comprehensive solution for optimal performance.
- The bearing configuration is very important & pump specific. Each pump has different load requirements, and in some cases we have amended faults from OE & re-engineered the BGA product to avoid premature failure.

**HIGH TORQUE OE QUALITY BEARINGS WITH PA POLYMER CAGES.**

**OE QUALITY SILICON CARBIDE MECHANICAL SEAL.**

**CORROSION RESISTANT ALUMINIUM AND STEEL IMPELLERS.**

**NBR RUBBER O-RING**







# MUST STOCK REFERENCES:

Identified by BGA's Product Management team.



**CT5656 / OE: 1338029**  
Fits popular Chevrolet, Vauxhall, Opel models from 2009-2019.



**CT9510 / OE: 1338244**  
Fits popular Chevrolet, Vauxhall, Opel models from 2009-2016.



**FA9501 / OE: 55562048**  
Fits popular OPEL & Vauxhall models - Astra, Corsa D, Meriva B.



**CP3282 / OE: 210101302R**  
Fits popular Dacia, Nissan, Renault Models.



**CP3826 / OE: 1334128**  
Fits popular Chevrolet, Opel, Vauxhall models.



**CT5592 / OE: 11517809191**  
Fits popular Citroen, FIAT, FORD, Mazda, Mini, Peugeot, Suzuki, Volvo models.



**CP7252T / OE: 1376162**  
Fits popular FORD, Mazda and Volvo Models.



**CP7098T / OE: 1096556**  
Fits popular Ford, Land Rover, and LTI Models.



**CP4209H / OE: LR01001**  
Fits popular LAND ROVER Discovery IV & V, RANGE ROVER III, IV, SPORT I, SPORT II, Velar.







**#BESTUNDERPRESSURE**

 **ENGINEERED  
IN GREAT BRITAIN**



**WEBSITE:**  
[WWW.BGAUTOMOTIVE.CO.UK](http://WWW.BGAUTOMOTIVE.CO.UK)

**CATALOGUE:**  
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