

### **parker cast iron gear pump**

The [Parker cast iron gear pump](#) is a high-quality positive displacement hydraulic power component from an internationally renowned brand. Its core consists of a high-strength cast iron pump body, precision gears, wear-resistant bushings and seals. It features a simple, compact design and excellent adaptability, It possesses key characteristics such as high-pressure resistance, wear resistance, stable operation and a long service life. It is primarily used in hydraulic systems to convey media such as mineral-based hydraulic oil, converting mechanical energy into hydraulic energy to provide continuous and stable power support for various types of machinery and equipment. It is widely used across multiple industries, including mining machinery, construction vehicles, agricultural machinery, port and marine vessels, and automated equipment.

The core advantages of the [Parker cast iron gear pump](#) lie in its quality, performance and model compatibility. In terms of materials, it is crafted from high-density, premium cast iron, offering excellent mechanical strength. It can withstand high internal pressures and mechanical stresses without deformation, whilst also providing good corrosion resistance, vibration damping and noise reduction. This reduces operational noise and maintains stable performance across a wide temperature range, preventing thermal expansion and deformation from affecting operational efficiency. In terms of performance, the pump features a precision gear meshing design, delivering high volumetric efficiency and minimal leakage, ensuring efficient energy transmission. The maximum continuous operating pressure meets the demands of various working conditions, whilst the pump offers low energy consumption and convenient maintenance. It requires no complex commissioning, effectively reducing equipment operating and maintenance costs.

In terms of model specifications, Parker cast iron gear pumps encompass multiple series, including the PGP/PGM502, 503, 505, 610 and 620, covering a range of flow and pressure requirements and suitable for a wide variety of applications. In agricultural machinery, they can be used in the hydraulic systems of tractors, harvesters and other equipment, providing stable power for steering, lifting and other operations; In construction vehicles, they are suitable for equipment such as excavators and loaders, handling heavy-duty, high-frequency operating conditions; in the industrial sector and for port and marine vessels, they serve as the power core of hydraulic systems, withstanding harsh operating environments to ensure continuous and efficient equipment operation. As a premium supplier of Parker cast iron gear pumps, Runhe Hydraulics provides products of genuine quality, strictly adhering to Parker brand standards and precisely meeting the equipment requirements of various industries.

The high quality of Parker cast iron gear pumps stems from rigorous manufacturing processes and quality control. Drawing on over 12 years of experience in the hydraulics industry, Runhe Hydraulics strictly oversees the entire procurement and testing process for Parker cast iron gear pumps. Each unit undergoes precise pressure testing, seal integrity checks and cleanliness inspections to eliminate issues such as leaks and burrs, ensuring product performance is fully consistent with original specifications and guaranteeing the stable operation of every unit.

As a specialist manufacturer of hydraulic system solutions, Runhe Hydraulics is a trusted supplier of [Parker cast iron gear pumps](#), offering a full range of genuine Parker cast iron gear pumps. Leveraging our in-house customisation capabilities, we provide tailored commissioning and support services to meet our customers' specific requirements. The company boasts a comprehensive production and supply system, as well as a professional technical team. We strictly adhere to the business philosophy of "survival through quality, development through integrity",

ensuring a stable supply chain and comprehensive after-sales support. By choosing Parker cast iron gear pumps supplied by Runhe Hydraulics, you not only gain access to genuine, high-quality hydraulic power components but also benefit from professional technical support and convenient after-sales service. This helps businesses improve equipment operational efficiency, reduce production costs and achieve mutually beneficial cooperation. We welcome enquiries and orders from all customers.

parker cast iron pumps  
parker pgp640 series pump  
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