

### **p30 gear pump**

With its precision-engineered original design, high-strength cast iron housing, and optimized pressure-balancing design, the P30 Gear Pump has become the mainstream power core in the fields of construction machinery, vehicle-mounted hydraulic equipment, industrial hydraulic power units, and agricultural and forestry machinery. Runhe has been deeply involved in the [P30 gear pump](#) market for many years, adhering to a commitment to genuine, original products to provide customers across various industries with highly stable, long-lasting hydraulic power solutions.

Robust materials and precision engineering form the foundation of the P30 Gear Pump's long-lasting durability. The pump features a one-piece, high-strength cast iron housing that offers greater rigidity and superior resistance to deformation compared to aluminum alloy housings. It can withstand high-pressure shocks, mechanical vibrations, and the corrosive effects of harsh outdoor environments over the long term, thereby preventing common failures—such as housing expansion, internal clearance shifts, and increased internal leakage—under high-pressure operating conditions. Equipped with precision-ground alloy steel gears and a heavy-duty pressure-bearing structure, along with proprietary annular seals and pressure-balanced wear-resistant plates, the pump effectively balances axial and radial pressure losses throughout its operation. This significantly reduces wear on the gears and bushings, ensuring the pump maintains stable volumetric efficiency even during long-term operation and completely resolves the issue of conventional gear pumps losing power over time.

With its robust standardized performance parameters, the [P30 gear pump](#) offers exceptional adaptability to a wide range of operating conditions. This product series features outstanding high-pressure capacity, with a rated continuous operating pressure of up to 200 bar and an intermittent peak pressure of up to 245 bar—more than sufficient to handle various medium- and high-pressure heavy-duty applications; With a wide operating speed range supporting stable operation from 400 to 2,400 RPM, it is suitable for both low-speed, constant-pressure applications and high-speed, high-efficiency multi-mode operations. Additionally, the series offers a comprehensive range of displacement specifications, enabling precise matching to the flow requirements of small and medium-sized hydraulic systems while balancing power output and energy consumption. Featuring low operating temperature rise, minimal flow pulsation, and low overall noise levels, it is perfectly suited for equipment requiring 24-hour continuous, uninterrupted operation.

Wide compatibility, flexible installation, and high fault tolerance are the key features that have earned the P30 Gear Pump widespread market recognition. Featuring a standardized, modular design, the product is compatible with a variety of SAE flange, shaft extension, and port configurations, allowing it to seamlessly integrate with the vast majority of automotive, industrial, and engineering hydraulic equipment. Whether upgrading or replacing older equipment or supplying new machines in bulk, there is no need for major modifications to piping or frames, ensuring easy installation and low implementation costs. At the same time, this pump offers excellent resistance to contamination and is compatible with conventional hydraulic fluids. It can withstand minor fluid contamination in complex environments such as construction sites and farm fields, with a tolerance for operating conditions that far exceeds that of standard gear pumps in the same class, significantly reducing the likelihood of routine failures.

Leveraging a mature supply chain system and large-scale spot inventory warehouses, Runhe maintains year-round stock of genuine, factory-original [P30 Gear Pumps](#) in all specifications. We offer a comprehensive range of models without markups from middlemen. All products fully comply with the manufacturer's factory testing standards, having undergone high-pressure testing, seal integrity verification, and full-load operation simulations, ensuring traceable quality and guaranteed performance. We go beyond simply selling products; we focus on our customers' practical application needs, providing one-stop technical services—including one-on-one application selection, installation and commissioning, troubleshooting, and full-lifecycle maintenance guidance—to comprehensively address common pain points such as difficulty in product selection, compatibility issues, and inadequate after-sales support.

Backed by a century of Parker's precision engineering and outstanding, well-balanced overall performance, the P30 gear pump has consistently maintained its leading position in the medium- and high-pressure gear pump market, becoming the go-to choice for improving quality, enhancing efficiency, reducing costs, and extending the service life of industrial hydraulic systems. Runhe continues to specialize in the supply of high-end hydraulic components, ensuring long-term, stable equipment operation through genuine products, professional technical expertise, and comprehensive after-sales support. Customers seeking to replace P30 gear pumps, make bulk purchases, or determine suitability for specific operating conditions can visit our official website to inquire and obtain a customized solution.

[commercial p30 pump](#)

[parker p30 pump pdf](#)

[parker gear pump catalogue pdf](#)

[parker p30 pump](#)

[parker gear pump configurator](#)

[parker pto pump 3349110031](#)

[parker hannifin gear pump](#)

[parker hannifin hydraulic gear pump](#)