

Hydraulic Gear Pump Catalog

Within the grand tapestry of modern industry, hydraulic systems function like intricate networks of blood vessels within mechanical structures, delivering continuous and robust power support to numerous machinery and equipment. As a classic and reliable core power component in hydraulic systems, the performance of gear pumps directly determines the overall efficiency, stability, and longevity of the entire system. Runhe Hydraulic has cultivated deep expertise in hydraulic power through relentless technological exploration and stringent quality standards. We have successfully developed a series of high-performance, versatile hydraulic gear pumps, delivering reliable power solutions to industries worldwide.

The Runcheng [Hydraulic Gear Pump Catalog](#) presents more than just specifications—it embodies our profound understanding and engineering practice of the core values: reliability, efficiency, and durability. Our product line covers a broad spectrum from low-pressure to medium-high pressure applications, featuring a comprehensive range of displacements to precisely match the operational demands of various industrial equipment and mobile machinery. Whether enabling precise feed in machine tools, delivering robust output for agricultural machinery, supporting demanding tasks in construction equipment, or ensuring stable operation in specialized fields like marine auxiliary machinery, sanitation vehicles, and metallurgical equipment, Runhe gear pumps seamlessly integrate with exceptional performance, serving as a solid foundation for system reliability.

We pour immense dedication into the intrinsic design and manufacturing processes of our products. Pump bodies and critical gear components are crafted from high-strength cast iron or premium alloy steel, undergoing precision machining and advanced heat treatment to ensure exceptional dimensional accuracy, geometric precision, and surface hardness. This rigorous material selection establishes the physical foundation for the gear pump to withstand the mechanical stresses and wear resulting from long-term high-pressure, high-speed operation. The optimized gear tooth profiles not only ensure smooth fluid delivery but also effectively reduce pulsation and noise caused by oil trapping. This results in quieter, more stable pump operation, enhancing the overall comfort and environmental friendliness of the equipment. Advanced shaft seal technology and bearing configurations significantly minimize internal leakage, improve volumetric efficiency, and enhance the pump's resistance to contamination and long-term operational reliability under harsh conditions.

We understand that a single model cannot address the vast array of application scenarios. Therefore, Runhe's gear pump series offers diverse interface configurations, mounting options, and rotation direction choices. It can also integrate control components like safety valves and pressure compensators according to customer requirements, enabling customized functional expansion. This modular, flexible design philosophy allows our products to rapidly and seamlessly integrate into existing or newly designed hydraulic systems, reducing integration complexity and time costs for customers. Whether replacing outdated pump models or seeking matching power for innovative equipment, Runhe's [Hydraulic Gear Pump Catalog](#) delivers satisfactory solutions.

Beyond standard series, we prioritize performance in extreme environments and demanding conditions. For special operating conditions like high/low temperatures, high contamination, or continuous heavy-duty operation, we have developed reinforced models. These products feature specialized optimizations in material selection, clearance tolerances, and sealing technology, ensuring stable output and extended service life even in challenging environments. This relentless

pursuit of reliability has earned Runhe gear pumps a reputation for rugged durability among customers, making them the long-term preferred or designated power units for many critical applications.

Technological innovation remains the perpetual driving force behind Runhe's development. Our R&D team continuously monitors cutting-edge advancements in fluid mechanics, tribology, and new materials, integrating these findings into product iterations. We are committed to preserving the traditional strengths of gear pumps—compact structure and cost-effectiveness—while further expanding their efficiency boundaries, pressure ratings, and noise control capabilities. Every new pump model undergoes rigorous bench testing and field validation to ensure authentic and reliable performance data. Each product delivered to our customers embodies Runhe's unwavering commitment to quality.

Delivering superior products to customers is merely the beginning of our service. We have established a comprehensive technical support and after-sales service system. From initial selection consultation and solution design, through installation and commissioning guidance, to subsequent maintenance and rapid spare parts supply, Runhe's professional team consistently stands alongside our customers. We believe true value creation lies in helping customers solve practical problems, enhancing the overall operational efficiency and economic benefits of their equipment.

As a company dedicated to the R&D and manufacturing of hydraulic power technology, Runhe Hydraulic Technology Co., Ltd. upholds the mission of “Driving Industrial Progress with Superior Fluid Power.” Leveraging robust R&D capabilities, advanced manufacturing equipment, and stringent quality control systems, we are committed to providing high-performance, highly reliable hydraulic gear pumps, vane pumps, and complete system solutions for the global industrial market. Our product and service network spans multiple countries and regions, serving diverse sectors including construction machinery, agricultural equipment, industrial machinery, and marine engineering. Visit our official website at <https://www.hydraulicpumptechnology.com> to explore comprehensive product technical documentation, access detailed application case studies, and connect with our technical experts. Runhe Hydraulics aspires to be your trusted partner, leveraging precision gears and powerful drive to tackle every industrial challenge together, propelling the future toward more efficient and robust operation.

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