

Hydraulic cylinders for plows

In modern agricultural mechanization, hydraulic systems serve as the core enabling advanced farm machinery to achieve efficient and precise operations. As the key actuators within these systems, the performance of hydraulic cylinders directly determines the efficiency and reliability of agricultural equipment. Hebei Runhe Hydraulic Machinery Co., Ltd. specializes in manufacturing [hydraulic cylinders for plows](#) tailored to demanding conditions such as deep plowing and rotary tillage, providing reliable power solutions to enhance cultivation quality and efficiency.

On hydraulic reversible plows, [hydraulic cylinders](#) drive the plow frame to complete a 180-degree reversal, enabling continuous cultivation during the machine's back-and-forth passes without the need to turn around, significantly boosting operational efficiency. On agricultural machinery equipped with hydraulic depth control systems, operators can instantly adjust the plowing width through hydraulic cylinders to swiftly adapt to varying field conditions. Furthermore, the integrated overload protection function in hydraulic cylinders rapidly lifts the plow body upon encountering underground obstacles, effectively safeguarding equipment from damage while ensuring uninterrupted operation.

These applications impose clear demands on hydraulic cylinder performance: high reliability, strong load capacity, and extended service life are essential. Leveraging specialized R&D capabilities and advanced production and testing equipment, Runhe ensures its products meet the requirements of high-intensity operations. The cylinder bore undergoes precision honing, achieving high surface finish and wear resistance, which helps prolong seal service life. The piston rod surface features a hard chrome plating process, providing excellent rust resistance and scratch resistance to withstand the dusty and humid working conditions in the field.

Runhe fully leverages its customization capabilities as a professional manufacturer. We can develop customized hydraulic cylinders according to the specific technical requirements of different agricultural machinery manufacturers, including installation dimensions, stroke, port configuration, working pressure rating, and external protection, ensuring optimal compatibility with the host machine.

From supporting high-end agricultural machinery to serving vast farmlands, Runhe cylinders power modern agriculture with consistent performance. We adhere to the business philosophy of “survival through quality, development through integrity,” committed to providing customers with end-to-end services—from technical integration and customized production to after-sales support. Choosing Runhe means choosing enduring, reliable power for your farming operations.

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