

Agricultural Hydraulic Cylinder

Spring plowing, summer harvesting, and fall and winter soil preparation — the harsh conditions of farm work, including dust, mud, gravel, and extreme day-night temperature fluctuations, constantly test the reliability of agricultural machinery's hydraulic components. Agricultural hydraulic cylinders are the core actuators in reversible plows, combine harvesters, straw incorporation machines, seeders, and agricultural loaders. They are responsible for raising and lowering implements, angle reversal, plowing depth adjustment, and load lifting; the stability of these cylinders directly affects operational efficiency. Many agricultural machinery purchasers focus solely on thrust parameters when selecting models, neglecting cylinder body materials and sealing structures. Once put into field use, frequent failures such as oil leaks, piston rod scratches, and jerky movements occur, delaying farming schedules and increasing operational and maintenance costs.

Field operations involve drastic fluctuations in load, and sudden impact loads occur when the equipment penetrates the soil or is lifted. Ordinary hydraulic cylinders lack sufficient barrel strength and are prone to deformation and failure when subjected to long-term alternating impact loads. The [Agricultural Hydraulic Cylinder](#) features a thickened, high-strength cylinder barrel and a high-frequency quenched piston rod, providing resistance to impact and bending. Paired with wear-resistant, dust-proof seal kits, it blocks mud, sand, and straw debris from entering the cylinder, effectively reducing internal and external leakage. Whether during prolonged continuous tillage or intermittent heavy-load operations, it maintains stable power output and is suitable for all-weather farming conditions in the field.

Retrofit projects for different types of agricultural machinery and older equipment have varying requirements for hydraulic cylinder mounting dimensions, stroke lengths, and connection interfaces, making it difficult for standard hydraulic cylinders to meet these needs. With extensive experience in supplying hydraulic components for agricultural machinery, Hebei Herun offers a wide range of single-acting and double-acting agricultural hydraulic cylinders in various configurations, covering a variety of agricultural operations such as tilling, seeding, and forage handling, and quickly meeting the thrust and stroke requirements of specific equipment.

Hebei Herun has been deeply involved in the hydraulic components industry for many years and fully understands the core demands of agricultural production: seizing the farming season and minimizing downtime. All of Hebei Herun's agricultural hydraulic cylinders undergo pressure testing and reciprocating endurance testing before leaving the factory, ensuring strict quality control. Leveraging its in-house machining facilities and stable supply chain, the company not only offers standard models in stock but can also customize cylinder bore, stroke, and mounting brackets according to customers' equipment drawings, enabling a rapid response to bulk supply requests from agricultural machinery manufacturers and repair service providers. From initial technical support for model selection and sample testing to bulk delivery, the company provides one-stop solutions to ensure the stable and efficient operation of agricultural machinery.

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10 foot stroke hydraulic cylinder
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aftermarket hydraulic cylinder replacement
replacement hydraulic cylinders for loaders
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