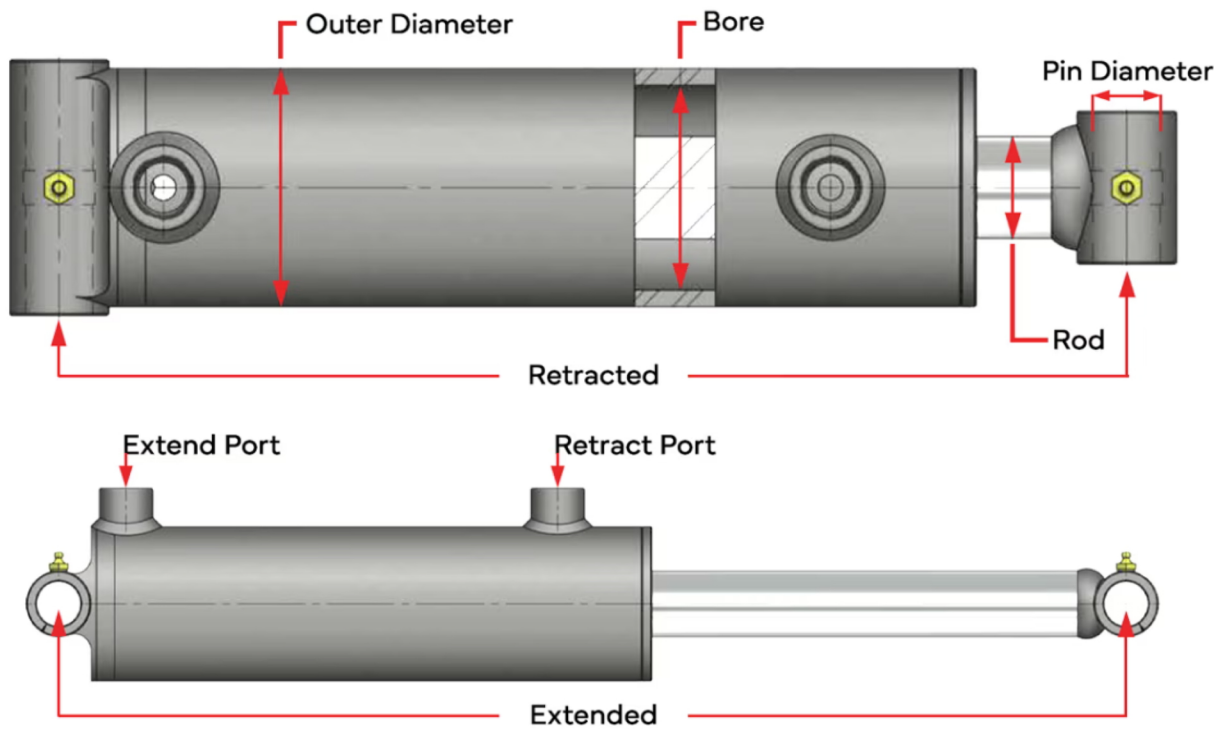


How to Measure a Hydraulic Cylinder



Use these measurements to compare your existing cylinder to a replacement option. For best fit and performance, match the original cylinder specifications as closely as possible.

Contact our support team for assistance: 800-800-1810, 8:00 am - 5:30 pm EST, M-F



Key Measurements to Capture

Bore Internal diameter of the cylinder tube. Bore affects force output; changing it can increase or decrease force and may damage equipment.	Stroke Distance the rod travels from fully retracted to fully extended. Calculate stroke as: Extended - Retracted = Stroke .
Rod Diameter Diameter of the rod coming out of the cylinder tube. Rod size affects retract force and cylinder strength; match when possible.	Retracted Length Distance from pin center to pin center when the cylinder is fully closed.
Extended Length Distance from pin center to pin center when the cylinder is fully open.	Pin Diameter Diameter of the mounting pin used to connect the cylinder to your equipment. Match pin size for secure fit and safe operation.

1. Fully retract the cylinder and measure pin-center to pin-center.
2. Fully extend the cylinder and measure pin-center to pin-center.
3. Subtract retracted length from extended length to calculate stroke.
4. Record bore, rod diameter, pin diameter, port size, and port thread type.

Important: Also confirm PSI rating, mounting style, port size, and port thread type before ordering. If any measurement differs from the original cylinder, contact Bailey before replacing it.

Tip: If the cylinder is damaged and cannot be fully measured, gather as many measurements as possible and contact Bailey for help identifying a replacement or custom cylinder solution.