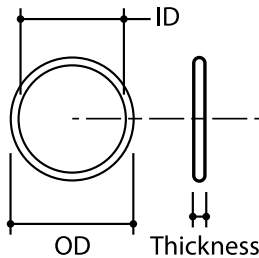


O-Rings

Installation Instructions



An elastomeric O-ring is a doughnut-shaped ring used primarily for sealing against the loss of fluid. Over time, these seals may wear out and require replacement. For proper replacement, accurate sizing is critical. O-ring measurements are metric.

Measuring an O-ring

Place the O-ring on a clean, flat, and level surface. Do not pinch or stretch the O-ring but allow it to relax to as perfectly circular as possible. Determine the Inside Diameter (ID), using a ruler to measure from one inner edge to the opposite. To measure the Outside Diameter (OD), use a ruler to measure from one outer edge of the O-ring to the other. Measuring cross section requires a Vernier caliper, or micrometer. Lightly clamp the jaws of the caliper or micrometer onto the O-ring, but do not compress it. Alternatively, calculate the cross section using $\text{Cross Section} = (\text{OD} - \text{ID}) \div 2$

Installing an O-ring

An O-ring may be easily damaged by improper handling and may fail for this reason alone. Prior to O-ring installation, make sure all glandular surfaces (the gland is the grooved area where the O-ring will rest when installed) are free of all debris. Take care not to use solvents as they can damage the O-ring and present health hazards in faucet applications. Likewise, lubrication is best performed with water or a silicone faucet grease.

Avoid stretching the O-ring more than 100% during installation (stretch should not exceed 5% in the application). Also, be sure to stretch it uniformly. Once the O-ring has been installed, make sure to remove any twists.