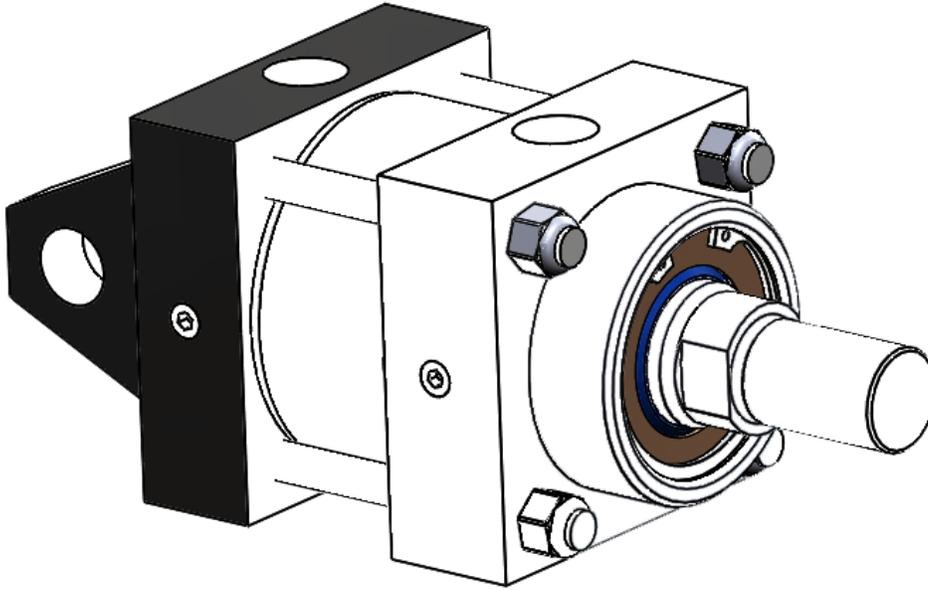


STEEL AND FABRICATING INDUSTRY

Non Lubricated Pneumatic Cylinders



Non Lubricated Pneumatic Cylinders

Reliable and Long Lasting Non Lubricated Cylinder

For most pneumatic applications, lubricated air is supplied to the cylinders. For applications that require zero air lubrication due to fire or contamination risk, Royal developed a pre-lubed cylinder that would retain its lubrication throughout its operating life.



LONGER LIFE
<p>Challenge Severe rod corrosion and scoring due to poor system air quality and lack of lubrication.</p>
<p>Innovation Nitrided steel rod and barrel with high slip seals and long life lubrication.</p>
<p>Benefit Longer seal and component life.</p>

CONSISTENT RESPONSE TIME
<p>Challenge Slow/variable extend/retract response times due to high friction.</p>
<p>Innovation PTFE based pre-lubrication was installed at assembly with seals and wear strips designed for lube retention.</p>
<p>Benefit Lubrication contained within the cylinder provides consistent breakaway times and velocity.</p>