

Steel Industry

Product Overview

Severe service cylinders designed to operate
in the harshest environments.



ML Series

R Series

P Series

Heat: All Series designed to
withstand temperature extremes of
-65°F to 400°F

Humidity: Our Stainless Steel
Cylinders are built to take on any mess

Abrasive: Seal gland configurations
stop any contamination from entering
the cylinder, reducing maintenance costs

- Drop in Go custom cylinders designed for your application
- Quick and easy Online ordering at cowan-cylinder.com

ML SERIES

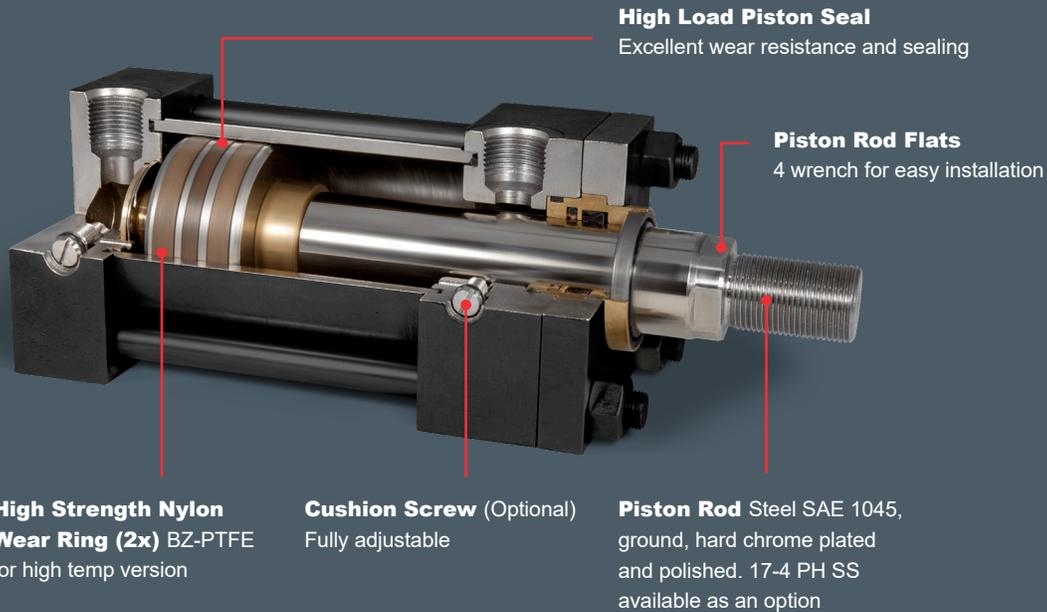
3000 psi

NFPA Hydraulic Cylinder

Temperature Ratings

Standard Temp.	-40 C to 105 C
High Temp.	-29 C to 205 C

Bore Sizes from 1½" to 20"



Piston rod diameter: 5/8" to 10"

Gland Seal Configuration



Gland Bushing: Cartridge type, SAE 660 bronze

Primary Seal: Heavy Duty Polyurethane "U"-cup for excellent seal ability and long service life

Buffer Seal: PTFE Low friction and long service life
Protects primary seal from pressure spikes.

Encased Rod Wiper: Rugged wiper deflects contamination away for the rod seals for long service life

P SERIES

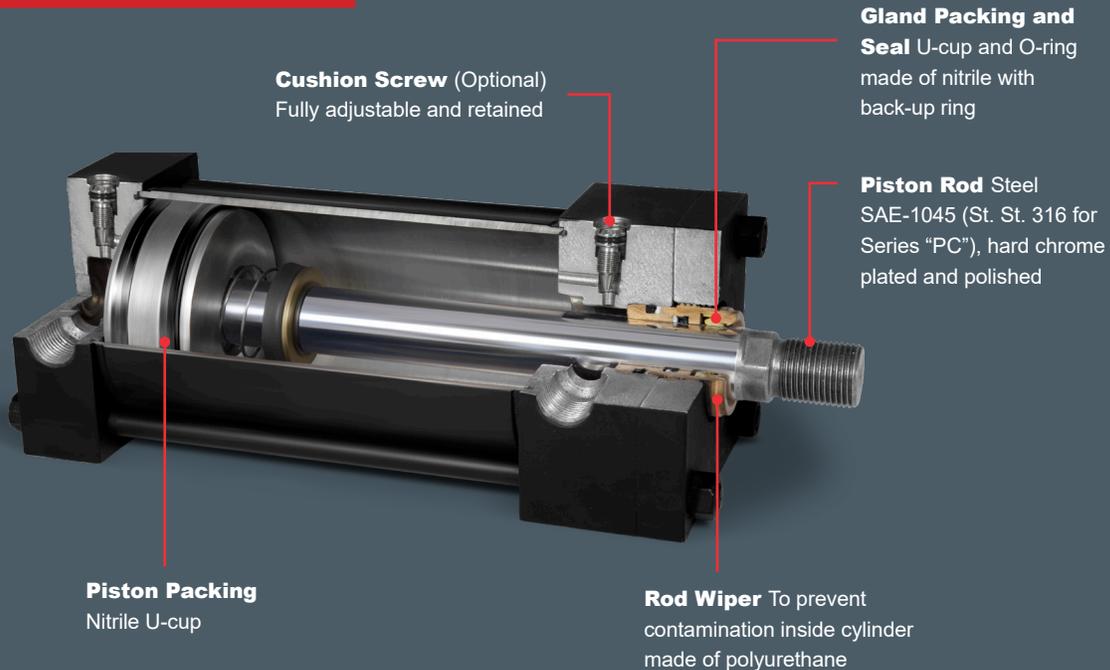
250 psi

NFPA Pneumatic Cylinder

Temperature Ratings

Low Temp.	-54 C to 90 C
Standard Temp.	-20 C to 104 C
High Temp.	-10 C to 200 C

Bore Sizes from 1½" to 14"



PA Series: Medium Duty

PS Series: Heavy Duty Steel

PC Series: Heavy Duty Stainless Steel

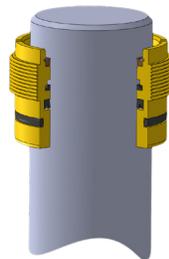
Stainless Steel and GT3 Options



316 Stainless Construction

for corrosive applications.
Including attachments such as
Rod clevis and Eye brackets

Piston rod diameter: 5/8" to 3 1/2"
Max Operating Pressure: 250 psi
Min Operating Pressure: 5 psi



GT3 Gland for Harsh Environments

Triple-seal gland with dual wipers.
Rugged metallic scraper and
urethane double-acting wiper deflect
contamination away from the rod seal for
long service life.

- Low Temp
- Cast iron construction for applications where yellow metals are not allowed

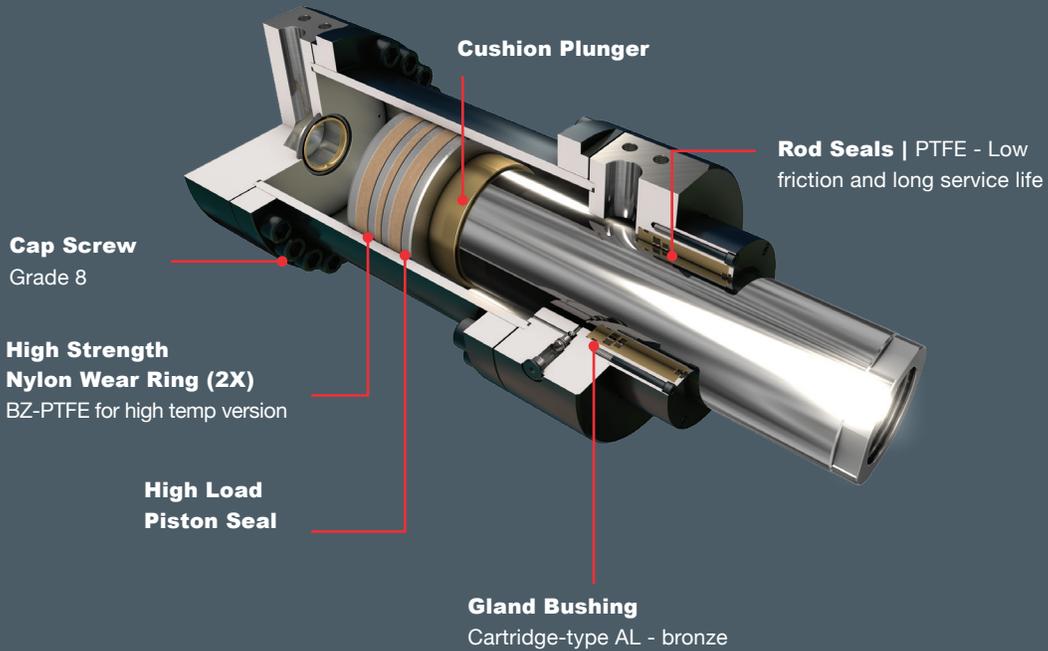
R5 SERIES

5000 psi

Mill Type Cylinder

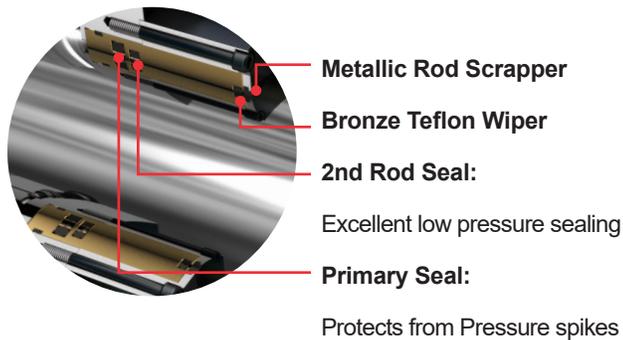
Temperature Ratings	
Standard Temp.	-50 C to 105°C
High Temp.	-29 C to 205°C

Bore Sizes from 4" to 16"



Piston rod diameter: 5/8" to 10"

Gland Bushing and Stainless Steel



316 Stainless Construction
for corrosive applications.

Including attachments such
Rod clevis and Eye brackets