

NEEDLE CYLINDERS

*Quality
Delivery
Support*



*PHD has design
capability for your
specific needs.*

NDL02

For Continuous Extrusion Bottle Blow Molding

Direct replacement for Plastipak's modified SMC 40 & 50 mm (20 mm stroke) in-mold needle cylinders.

PHD Cylinder mounts into the same space and bolt patterns, provides significantly longer life and reduces maintenance and down time.

Also available - PET Injection Stretch Blow Molding drop-in replacement Stretch Rod Cylinder on Sidel Series1 and Series2 machines and others.

For Bottle Blow Molding

Needle Actuators

Direct replacement for Graham Wheel® continuous extrusion blow molding needle actuators.

Direct replacement for Bimba® D-1871-A needle actuator.

Provides significantly longer life (tested over 20 million cycles) and reduces maintenance and downtime.

Internal needle orientation stud provides anti-rotational movement and allows the needle to be infinitely adjustable without increasing package length.

Unique modular design provides a variety of design configurations without sacrificing delivery and price.

Male rod ends have piloted ends to reduce concentricity issues with attached needles.



IN MOLD NEEDLE CYLINDERS

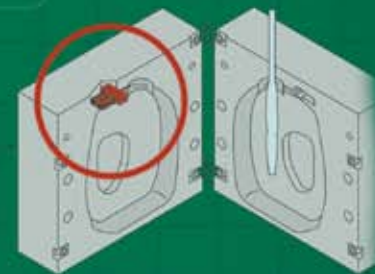
ML302932
ML306733



ML304949 ML304979
ML304061 ML304063
ML302933 ML302934



ML302935
ML304620



- Designed and manufactured by PHD, Inc. USA - Over 45 years of automation solutions experience.
- Local/Worldwide Sales, Service, and Support
- Standard delivery is 15 working days for quantities of up to 50 units. Consult PHD for delivery of higher quantities.
- Other standard and custom products are available for your automation requirements.
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