

ROTARY ACTUATORS

SERIES RL, SERIES RA, MINIATURE, AIR/OIL TANDEM, AND MULTI-POSITION

Exceptional Selection of Models, Sizes, Options, and Price Range



**SERIES RL
ROTARY ACTUATORS**



**SERIES RA
ROTARY ACTUATORS**

**SERIES 2000-8000
AIR/OIL TANDEM**



**MINIATURE
ROTARY
ACTUATORS**



**SERIES RI
ROTARY ACTUATORS**



**SERIES 2000-8000
MULTI-POSITION
ROTARY ACTUATORS**

INDEX:

Series RL
Pages 3A-1 to 3A-17

Series RA
Pages 3B-1 to 3B-15

Miniature
(Series 0180 & 0183)
Pages 3C-1 to 3C-6

Series 1000-8000
Pages 3C-8 to 3C-12

Air/Oil Tandem
Pages 3C-13 to 3C-19

Multi-Position
Pages 3C-20 to 3C-28

Engineering Data
Pages 3C-29 to 3C-31

Plumbing Schematics
Pages 3C-32 and 3C-33

Start-up Procedure
Pages 3C-34

Options
Pages 3C-35 to 3C-40

Series RI
Pages 3D-1 to 3D-24

ROTARY ACTUATORS

SERIES RL ROTARY ACTUATORS

PHD Series RL Rotary Actuators cover a wide range of sizes from miniature 12 mm bore units to 63 mm bore units. These actuators have a very high torque to envelope ratio and are capable of very high rotation velocities. Built-in optional shock absorbers provide smooth deceleration of external loads.

Sizes: 8

Operating Media: Pneumatic, 150 psi [10 bar] maximum

Maximum Torque Output: 4.4 to 544 in-lb [49 to 61.5 Nm]



SERIES RA ROTARY ACTUATORS

PHD Series RA Rotary Actuators have zero backlash at ends of rotation providing precise rotary positioning. Large shafts, bearings, and rack provide high load-stopping capacity, exceptional radial and axial bearing load ratings, and long unit life. Built-in optional shock absorbers provide smooth deceleration of external loads.

Sizes: 5

Operating Media: Pneumatic, 150 psi [10 bar] maximum

Maximum Torque Output: 14 to 228 in-lb [1.6 to 25.8 Nm]



MINIATURE ROTARY ACTUATORS

SERIES 018075, 018050, & 0180375

PHD Miniature Rotary Actuators are lightweight, compact units for small part orientation or part turn over. Adjustable stops provide 0° to 180° rotation for pneumatic use. Also available in 3 Position and Air/Oil Tandem versions.

Sizes: 2

Operating Media: Pneumatic, 150 psi [10 bar] maximum

Maximum Torque Output: 9.75 to 33 in-lb [1.1 to 3.7 Nm]



ROTARY ACTUATORS

SERIES 1000-8000

Series 1000-8000 Rotary Actuators are a rugged line for pneumatic or hydraulic service. These units have a wide range of rotations, options, and shaft configurations allowing them to be configured for most rotary applications. Standard rotations range up to 450° with torques to 31,800 in-lb.

Sizes: 8

Operating Media: Pneumatic, 150 psi [10 bar] maximum,

Hydraulic, 1500 psi [100 bar] maximum

Maximum Torque Output: 57 to 31,800 in-lb [6.4 to 3595 Nm]



AIR/OIL TANDEM ROTARY ACTUATORS SERIES 2000-8000

Air/Oil Tandem Rotary Actuators provide the smooth control of hydraulics with the simplicity of pneumatics. One end of the actuator is a closed loop hydraulic control member. The other provides pneumatic power to the racks.

Sizes: 4

Operating Media: Pneumatic, 150 psi [10 bar] maximum

Maximum Torque Output: 57 to 1,590 in-lb [6.4 to 179.8 Nm]



MULTI-POSITION ROTARY ACTUATORS SERIES 2000-8000

Multi-Position Rotary Actuators can yield three, four, or five rotary shaft stop positions. Each position is located by means of positive internal stops.

Sizes: 4

Operating Media: Pneumatic, 150 psi [10 bar] maximum,
Hydraulic, 1500 psi [100 bar] maximum

Maximum Torque Output: Ranges from 57 to 15,900 in-lb
[6.4 to 1797.9 Nm]



SERIES RI ROTARY ACTUATORS

Series Ri Rotary Actuators incorporate internal air passages within the rotary pinion manifold to allow pneumatic coupling to other devices without tubing. This protection from severed or damaged air lines eliminates downtime.

Sizes: 3

Operating Media: Pneumatic, 100 psi [7 bar] maximum

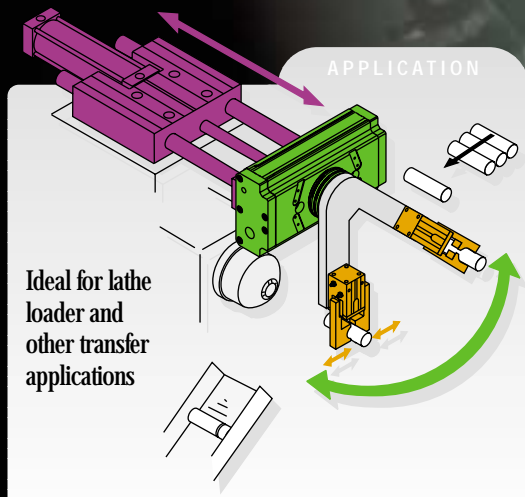
Maximum Torque Output: Ranges from 32 to 414 in-lb at 87psi
[3.6 to 46.8 Nm at 6 bar]



Eliminate External Air Lines.

New Series RI Rotary Actuators have internal air lines to eliminate wear or damage to external tubing. Featuring torques up to 240% of the competition, its high axial load capacity and compact size are great benefits. And, we can deliver units to your door in 2 working days.

- Internal manifold lines
- High torque performance
- High axial load capacity
- Additional mounting surfaces
- Multiple switching options
- Speedy delivery
- Low cost



Contact the automation experts at
1-800-624-8511 or
www.phdinc.com/rira

RI501



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