**Major Benefits**

- Pneumatic ball valve actuator
- Direct replacement
- Higher torque
- Single and double acting
- Other designs available
- Corrosion resistant option available

**Industry Uses**

- Automotive
- Metal forming
DIMENSIONS: BALL VALVE ROTARY MODEL# ML302704

NOTES:
1) ALL DIMENSIONS ARE FOR REFERENCE ONLY
2) 90° ROTATION W/ 2.000" BORE UNIT
3) UNIT SHOWN AT FULL CLOCKWISE POSITION
4) SPRING CLOCKWISE FOR 76 in-lb OF TORQUE (201 lb TOTAL SPRING PRELOAD)
5) FLAG AND VALVE POSITION INSERT MOVABLE FOR 45° INCREMENTS
6) HARDWARE KIT INCLUDED FOR MOUNT VALVE (1/4-20 STUDS- NO WASHERS OR NUTS)

All dimensions are reference only unless specifically tolerated.
REPLACEMENT ROTARY
Model# ML216496

Major Benefits
- Direct mounting replacement
- Pinion shaft modified as direct replacement
- Boss provides easy alignment

Industry Uses
- Carpet industry
- Metal forming
- Food industry
- Wood processing

DETAIL A
KEYWAY SHOWN IN MID ROTATION

NOTES:
1) ALL DIMENSIONS ARE FOR REFERENCE ONLY
2) DIMENSIONS NOT NOTED ARE STANDARD PER DESCRIPTION

All dimensions are reference only unless specifically toleranced.

www.phdinc.com/unlimited • (800) 624-8511
SERIES RAS
WITH CLUTCH
Model# ML302064

Major Benefits
- Rotary with unidirectional clutch
- Modified to accept clutch
- Adjustable rotation

Industry Uses
- Assembly machines
DIMENSIONS: SERIES RAS WITH CLUTCH MODEL# ML302064

NOTE:
1) ALL DIMENSIONS ARE FOR REFERENCE ONLY UNLESS SPECIFICALLY TOLERANCED
2) DIMENSIONS NOT SHOWN ARE STANDARD PER UNIT DESCRIPTION
3) UNIT INCLUDES A LEFT-HAND CLUTCH MECHANISM (OUTPUT HUB WILL ONLY ROTATE COUNTERCLOCKWISE)

All dimensions are reference only unless specifically tolerated.

www.phdinc.com/unlimited • (800) 624-8511
360° ROTARY WITH GRIPPER
Model# ML307464

Major Benefits
• 360° Series RLS Rotary with Series 8400 Angular Gripper
• Gripper built into the rotary
• Stationary ports - ports do not rotate

Industry Uses
• Assembly machines

NOTES:
1) ALL DIMENSIONS ARE REFERENCE ONLY. TITLE BLOCK TOLERANCES DO NOT APPLY
2) ROTARY WITH 360° ROTATION SIMILAR TO RLS116X270-AB-M
3) GRIPPER SIMILAR TO 8410-02-001
4) SEE ABOVE SIMILAR TO’S FOR FURTHER UNIT SPECIFICATIONS
5) SWITCH NOT AVAILABLE FOR GRIPPER

407 [10.5]
4.901 [124.5]
1.142 [29.0]
1.002 [25.3]
4-40 UNC MTG THREAD
4X BACK
4X BOTTOM

SLOT FOR OPTIONAL SWITCH

1.082 [27.5]
1.142 [29.0]
1.536 [39.0]
552 [14.0]

GRIPPER SPECIFICATIONS PER STANDARD 8410-32 ANGULAR

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4) SEE ABOVE SIMILAR TO'S FOR FURTHER UNIT SPECIFICATIONS
5) SWITCH NOT AVAILABLE FOR GRIPPER

4.349 [110.5]
1.536 [39.0]
4.901 [124.5]
1.082 [27.5]
552 [14.0]

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