

EXTREME FORCE, HYDRAULIC CLASS ELECTRIC ACTUATORS

RSX

The RSX series high force electric actuators with planetary roller screws are designed for rugged service, long life and are an ideal choice for replacing hydraulic cylinders.



ROLLER SCREWS

- High positional accuracy $\pm 0.0102\text{mm}/300\text{mm}$ ($\pm 0.0004''/\text{ft.}$)
- Precision ground planetary roller screws
- High thrust with high dynamic load rating for long life

YOUR MOTOR HERE

- Motors and gearboxes up to 215 mm motor frame size

STEEL THRUST TUBE

- Steel thrust tube supports extremely high force capabilities
- Salt bath nitride treatment provides excellent corrosion resistance, surface hardness and is very resistant to adherence of potential contaminants

IP67 OPTION

- Resists water ingress 1 m deep for up to 30 minutes (static)

ANTI-ROTATE

- Composite bearings prevent rotation of the thrust tube

FIELD REPLACEABLE SEAL CARTRIDGE

- One piece assembly designed for easy field replacement

HEAVY DUTY CONSTRUCTION

- All external component are Type III hardcoat anodized aluminum or zinc plated steel for rugged use and corrosion resistance

Available Options:

Mounting

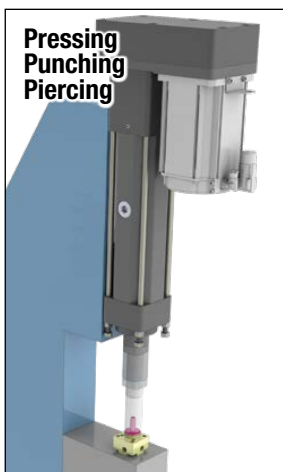
Mounting Plates; Front Flange; Trunnion Mount; Rear Clevis; Extended Tie Rods

Rod Ends

Rod Clevis

Sensors

With tie-rod mounting bracket



Applications:

- Active Security Barrier
- Assembly machinery
- Automotive
- Clamping
- Converting
- Cycle testing
- Hydraulic replacement
- Injection Molding
- Machine tools
- Molding
- Motion simulators
- Parts clamping
- Piercing
- Product test simulations
- Pressing
- Punching
- Riveting/fastening/joining
- Sawmill equipment
- Stamping
- Test stands
- Tube bending
- Volumetric pumps
- Wave generation
- Web guidance
- Welding
- Wire winding
- and many more

HIGH FORCE, HYDRAULIC CLASS ELECTRIC ACTUATORS

RSX

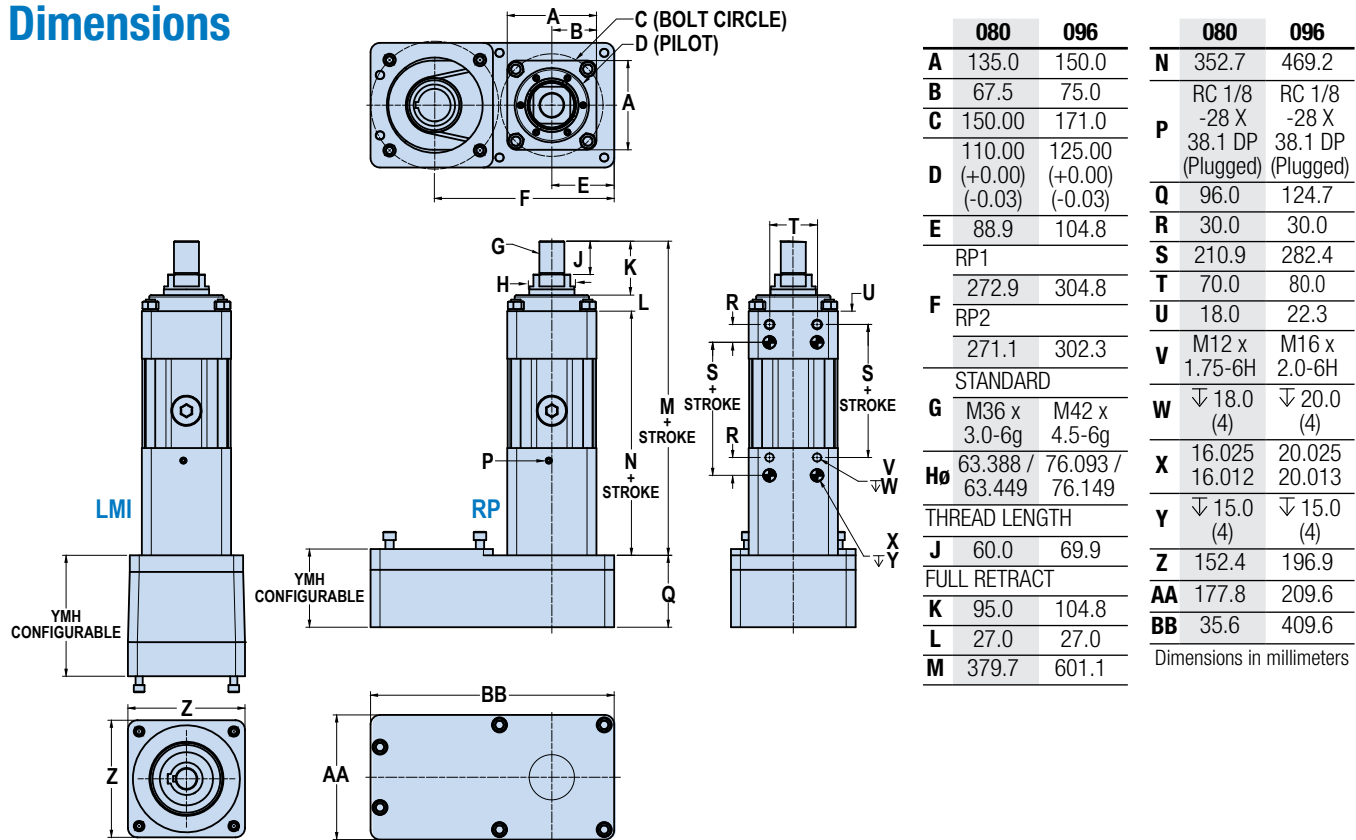
Specifications

| RSX SIZE | MIN. STROKE <i>mm</i> | MAX. STROKE <i>mm</i> | SCREW CODE | SCREW LEAD <i>mm/rev</i> | LEAD ACCURACY <i>mm/300mm</i> | BACKLASH <i>mm</i> | MAX. THRUST <i>kN</i> | MAX. SPEED <i>mm/sec</i> | DYNAMIC LOAD RATING <i>kN</i> |
|----------|--------------------------|--------------------------|------------|-----------------------------|----------------------------------|-----------------------|--------------------------|-----------------------------|----------------------------------|
| 080 | 75 | 1500 | RN10 | 10.00 | 0.01 | 0.030 | 80.07 | 701 | 173.1 |
| 096 | 75 | 1500 | RN12 | 12.00 | 0.01 | 0.030 | 133.45 | 759 | 269.3 |
| | <i>in</i> | <i>in</i> | | <i>turns/in</i> | <i>in/ft</i> | <i>in.</i> | <i>lbf</i> | <i>in/sec</i> | <i>lbf</i> |
| 080 | 2.95 | 59.06 | RN10 | 2.540 | 0.0004 | 0.0012 | 18,000 | 27.6 | 38,914 |
| 096 | 2.95 | 59.06 | RN12 | 2.117 | 0.0004 | 0.0012 | 30,000 | 29.9 | 60,530 |

Trunnion option reduces max. stroke by 72.4 mm (2.85")



Dimensions



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =
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