

# 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

## 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

## ANTI-ROTATE

- Composite bearings prevent rotation of the thrust tube

## IP67 OPTION

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

## 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

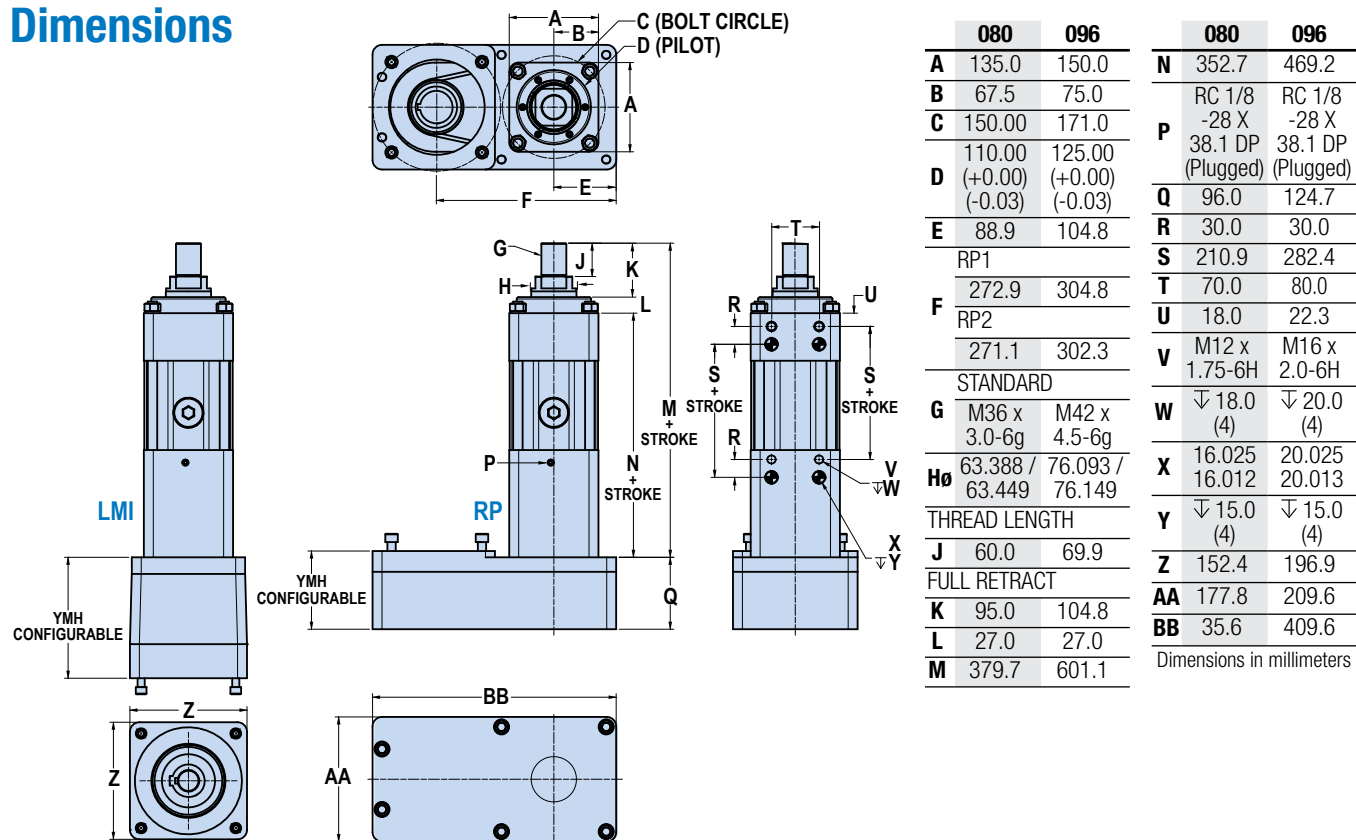
## Specifications

RSX SIZE	MIN. STROKE mm	MAX. STROKE mm	SCREW CODE	SCREW LEAD mm/rev	LEAD ACCURACY mm/300mm	BACKLASH mm	MAX. THRUST kN	MAX. SPEED mm/sec	DYNAMIC LOAD RATING kN
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
	in	in		turns/in	in/ft	in.	lbf	in/sec	lbf
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



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