

ECONOMICAL ROD-STYLE ELECTRIC CYLINDER

ERD

The ERD is an economical electric cylinder compatible with many NEMA & metric mount stepper and servo motors to create a flexible, powerful, yet cost-effective electric cylinder solution over traditional pneumatic cylinders.

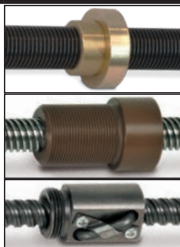
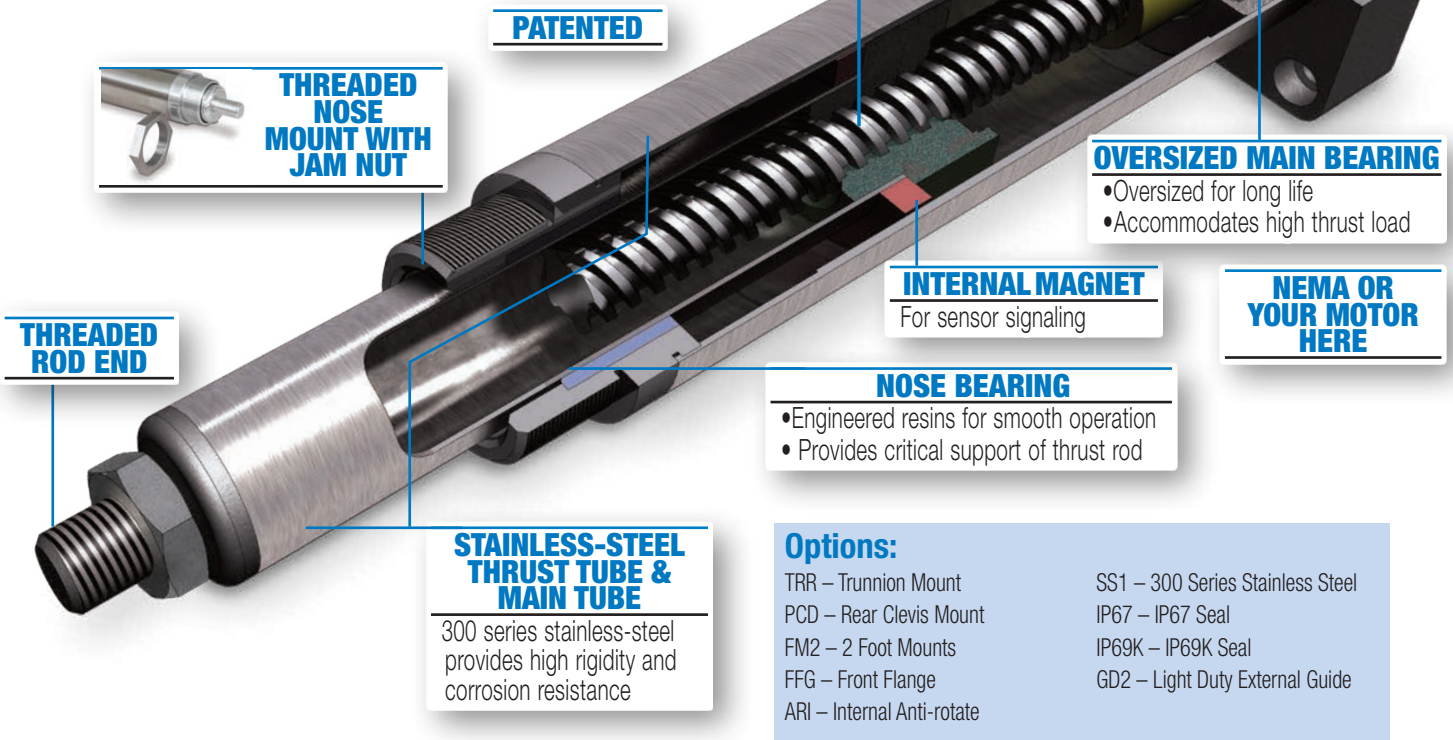
ACTUATOR SIZING **CAD LIBRARY**

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MULTIPLE SCREW TECHNOLOGIES

YOU CAN CHOOSE:

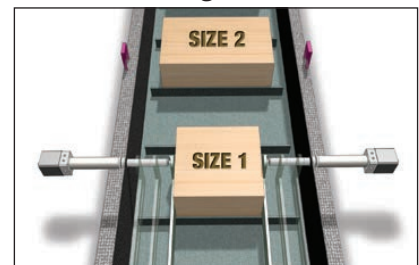
- Solid nuts of bronze (15, 20 sizes) or engineered resins (10, 15 sizes) offer quiet performance at the lowest cost
- Ball screws offer efficiency at a cost effective price; low-backlash available

Applications:

- Aligning
- Animation
- Assembly
- Automotive
- Conveyors
- Diverting
- Fillers
- Gating
- Material handling systems
- Medical equipment
- Open / close doors
- Packaging equipment
- Pick & place
- Plate positioning change
- Press fit
- Robot manipulator arms
- Sonic welding
- Sorting
- Volumetric pumps
- Web guidance
- Wire winding & more!

Product Change Over



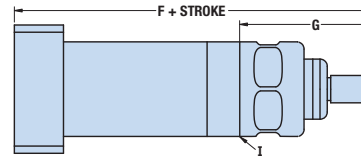
ECONOMICAL ELECTRIC: PNEUMATIC CYLINDER REPLACEMENT

ERD

Specifications (metric measurement)

ERD SIZE	MAXIMUM STROKE	SCREW CODE	LEAD	LEAD ACCURACY	BACKLASH	MAXIMUM THRUST	DYNAMIC LOAD RATING
	mm		mm/rev	mm/300mm	mm	N	N
10	254.0	SNO1	25.4	0.18	0.18	188	NA
		SNO2	12.7	0.18	0.18	188	NA
		SNO5	5.08	0.18	0.18	188	NA
		BNM05	5.00	0.87	0.13	445	1068
15	304.8	SNO1	25.4	0.15	0.18	334	NA
		SNO2	12.7	0.13	0.18	334	NA
		SNO5	5.08	0.15	0.18	334	NA
	609.6	BNM05	5.00	0.87	0.13	890	2002
		BNM10	10.00	0.87	0.13	890	1779
		BZ10	2.54	0.15	0.20	890	NA
20	609.6	BNM05	5.00	0.87	0.13	2224	4003
		BNM10	10.00	0.87	0.13	2224	4003
		BNM20	20.00	0.87	0.10	2224	11387
		BZ10	2.54	0.15	0.20	2224	NA

Dimensions OPTION: IP67, IP69K

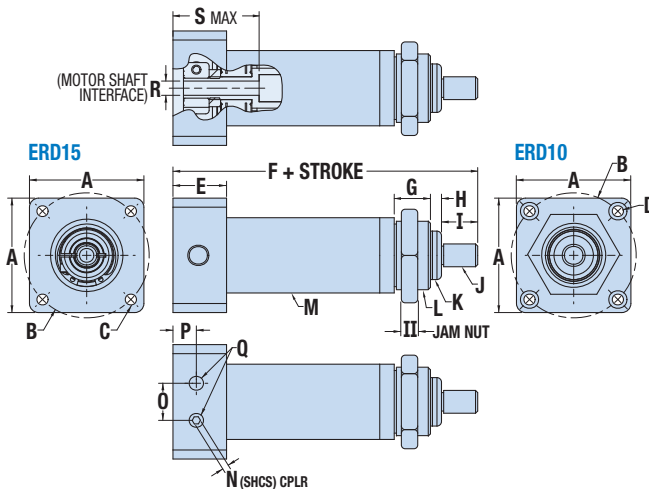


*Dimension shown is with Tolomatic AMxxx motor hardware YMH option will determine this dimension.

IP67 & IP69K Option replaces the Jam Nut

	ERD10	ERD15	ERD20
IP67			
F mm	121.8	152.4*	204.8*
G mm	44.17	53.0	72.5
IP69K			
F mm	128.1	164.8	204.8*
G mm	50.52	65.7	72.5
I	Surface for mounting options		

Dimensions SIZE: 10, 15, 20



	ERD10	ERD15	ERD20
A mm	40.13	56.39*	*
B mm	Ø43.82	Ø66.68*	*
C mm	-	M4 x 0.7*	*
D mm	Ø3.91	-	*
F mm	106.7	137.2*	*
I mm	12.70	19.05	19.05
L mm	M24 x 1.5	M34 x 1.5	M44 x 1.5
O mm	13.00	13.00	23.37
P mm	8.20	7.57*	*
Q mm	(2) M6 x 1.0 ±7.9	(2) M6 x 1.0 ±12.7	(2) M6 x 1.0 ±12.7

*This dimension is determined by motor choice.

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3D CAD LIBRARY

Tolomatic™

EXCELLENCE IN MOTION

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