

ECONOMICAL ROD-STYLE ELECTRIC CYLINDER

ERD

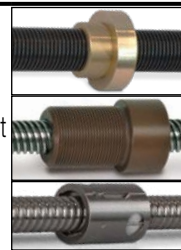
The ERD is an economical electric cylinder compatible with many NEMA & metric mount stepper and servo motors to create a flexible, powerful, yet cost-effective electric cylinder solution over traditional pneumatic cylinders.



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 nuts offer efficiency, longer life, and higher force capability



PATENTED



THREADED NOSE MOUNT WITH JAM NUT

THREADED ROD END

OVERSIZED MAIN BEARING

- Oversized for long life
- Accommodates high thrust load

INTERNAL MAGNET

For sensor signaling

NEMA OR YOUR MOTOR HERE

NOSE BEARING

- Engineered resins for smooth operation
- Provides critical support of thrust rod

STAINLESS-STEEL THRUST TUBE & MAIN TUBE

300 series stainless-steel provides high rigidity and corrosion resistance

Options:

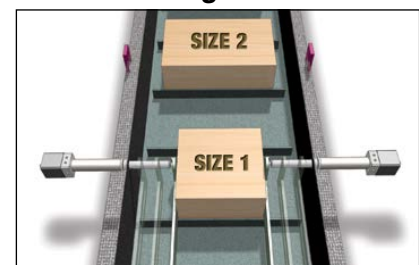
TRR – Trunnion Mount
PCD – Rear Clevis Mount
FM2 – 2 Foot Mounts
FFG – Front Flange
ARI – Internal Anti-rotate

SS1 – 300 Series Stainless Steel
IP67 – IP67 Seal
IP69K – IP69K Seal
GD2 – Light Duty External Guide

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



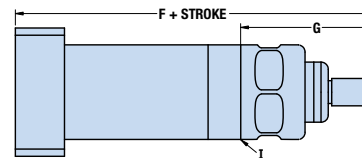
ECONOMICAL ELECTRIC: PNEUMATIC CYLINDER REPLACEMENT

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	SN01	25.4	0.18	0.18	188	NA
		SN02	12.7	0.18	0.18	188	NA
		SN05	5.08	0.18	0.18	188	NA
		BNM05	5.00	0.87	0.13	445	1068
15	304.8	SN01	25.4	0.15	0.18	334	NA
		SN02	12.7	0.13	0.18	334	NA
		SN05	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

ERD

Dimensions OPTION: IP67, IP69K



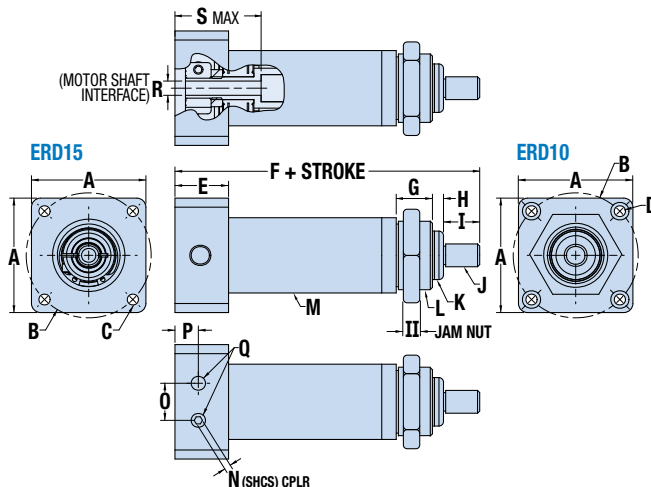
*Dimension shown is with Tolomatic AMxxx motor hardware YMH option will determine this dimension.

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.



MADE IN U.S.A.

Tolomatic™

EXCELLENCE IN MOTION

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001 =
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