Tolomatic
EXCELLENCE IN MOTION®

SS2 STAINLESS STEEL ELECTRIC ACTUATOR WITH INTEGRATED MOTOR

ERD-SS2

The all 300 series stainless-steel ERD for 10, 15 & 20 sizes incorporates hygienic design principles and includes a protective enclosure for Tolomatic stepper/servo motors. The 15 & 20 sizes have an IP69k rating (static). (10 size: IP67 and stepper motor only) The SS2 is built-to-order in stroke lengths up to 0.6 m (24").

• MULTIPLE SCREW TECHNOLOGIES
YOU CAN CHOOSE:
- Solid nuts (10, 15 sizes) of engineered resins offer quiet performance at the lowest cost
- Ball nuts (10, 15, 20 sizes) offer efficiency at a cost effective price; low-backlash available

MOTOR PROTECTION
- Designed to protect motor with IP69k rating (static)

DURABLE IP69K SEALS
- Polyurethane for IP69k ingress protection and resistance to caustic wash-down
- Clean-in-place compatible

SMOOTH EXTERIOR
- This primary design decision eases cleanup and helps to prevent bacterial growth

ALL 300 SERIES STAINLESS STEEL CONSTRUCTION
- 300 series stainless steel for corrosion resistance
- Simplifies and lowers cost of machine design by eliminating the need for protective guards around standard actuators

Available Options:

Mounting
Foot Mounts
Front Flange

Environmental Protection
Food grade grease

Sensors
With mounting bracket
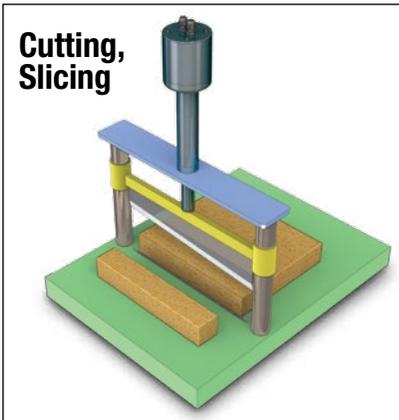
Cutting, Slicing

Applications:
- Aligning
- Chopping
- Conveyors
- Cutting
- Diverting
- Dumping
- Filling
- Gating
- Medical equipment
- Open / close doors
- Open / close lids
- Packaging equipment
- Pick & place
- Plate positioning change
- Slicing
- Sorting
- Volumetric pumps

& more!

Complete Your System:

EtherNet/IP   ODVA CONFORMANT   Modbus

ACS digital servo or stepper drives provide optimal performance with Tolomatic actuators

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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
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

Dimensions SIZE: 10, 15, 20

SS23 G1

SS23 E1

NOTE: ERD_ _SS2 10 = IP67;
15 & 20 = IP69K
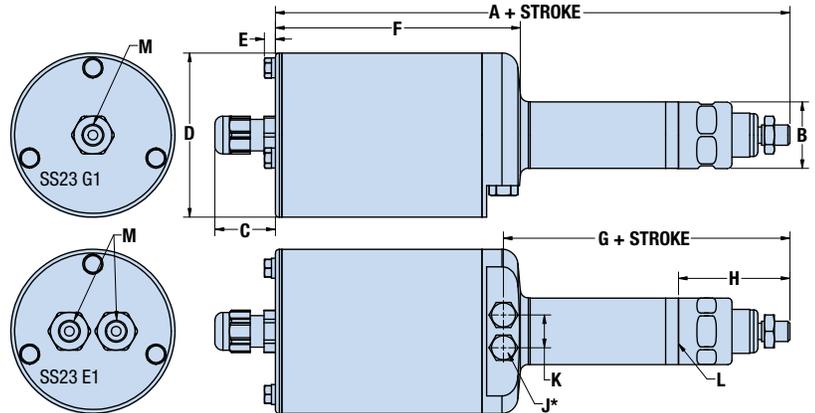
		ERD10	ERD15	ERD20
A	mm	204.0	282.70	311.4
B	mm	26.42	41.61	52.10
C	mm	24.00	24.00	24.00
D	mm	65.10	89.00	89.00
E	mm	4.39	5.27	5.27
F	mm	100.99	134.98	171.64
G	mm	113.56	143.76	164.80
H	mm	44.17	53.04	72.48
J*	mm	M6 x 1.0	M6 x 1.0	M6 x 1.0
K	mm	13.00	13.00	23.37
L		Surface for mounting options		

M	Code	Encoder Code	Available cable exit options:
	SS21	G1,E1	no cord grips 1/2" NPT tapped hole
	SS22	G1,E1	no cord grips M20 x 1.5 tapped hole
	SS23	G1	1 cord grip (motor, no encoder)
		E1	2 cord grips (motor, with encoder)

*Unit ships standard with hex bolts in these tapped holes
NOTE: IP67 is a static rating

ACTUATOR SIZING

CAD LIBRARY

COMPLETE INFORMATION, SIZING SOFTWARE AND SOLID MODELS AVAILABLE AT:
www.tolomatic.com

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