

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

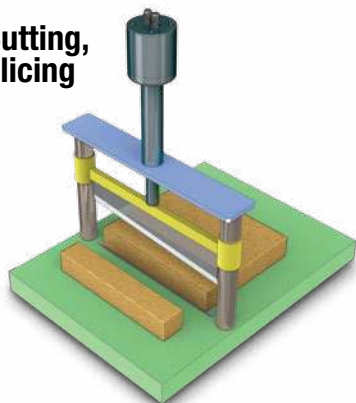
Environmental

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 OBYA CONFORMANT Modbus

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

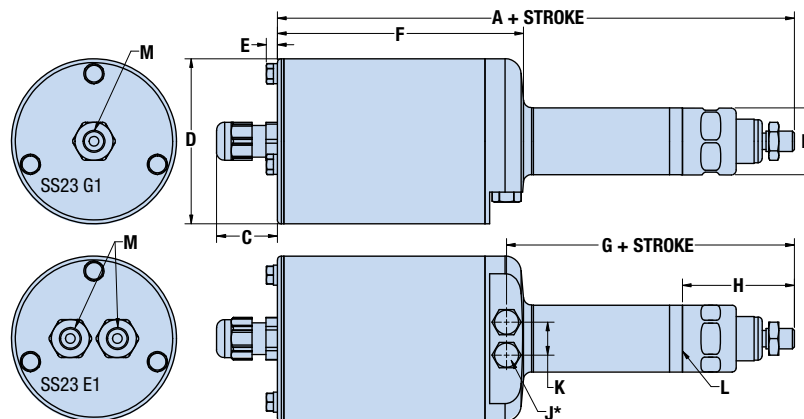
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Specifications (metric measurement)

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
		BNM20	20.00	0.87	0.10	2224	11387

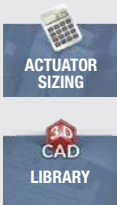
ERD-SS2

Dimensions SIZE: 10, 15, 20



	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		

NOTE: ERD - SS2 10 = IP67;
15 & 20 = IP69K



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

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



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