

## WHITE PAINT IMA-WP INTEGRATED MOTOR ACTUATOR IMA-WP

The white epoxy IMA is a durable, high force rod-style actuator with an IP67 rating. The IMA integrates a servo motor into a ball or roller screw-driven actuator to provide efficient high force in a compact lightweight design envelope. Features suited to challenging food & beverage environment include: Food grade white epoxy paint, stainless steel components, Viton seals and food grade grease. Built-to-order in stroke lengths up to 450 mm (18"). Contact Tolomatic for lead time.

**Modifications:**

- Contact Tolomatic for stainless steel, and other versions of the IMA



**MULTIPLE SCREW TECHNOLOGIES**

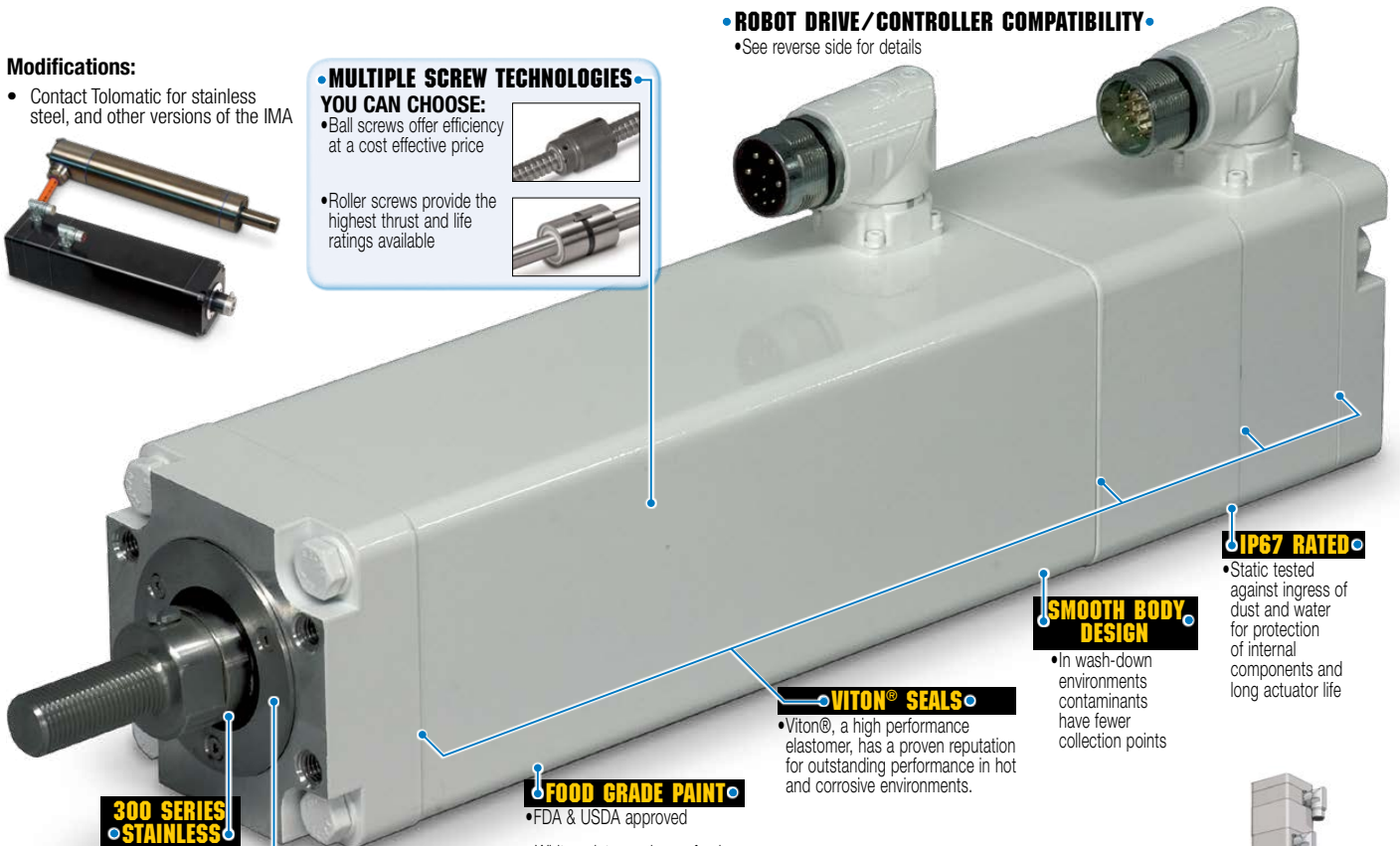
**YOU CAN CHOOSE:**

- Ball screws offer efficiency at a cost effective price
- Roller screws provide the highest thrust and life ratings available



**ROBOT DRIVE/CONTROLLER COMPATIBILITY**

- See reverse side for details



**300 SERIES STAINLESS STEEL ROD +**

- Corrosion resistant 316 stainless steel thrust rod

**FIELD SERVICEABLE VITON® WIPER**

- State-of-the-art wiper prevents contaminants from entering the actuator for extended life

**FOOD GRADE PAINT**

- FDA & USDA approved

- White paint reveals any foreign matter to ease clean-up

**VITON® SEALS**

- Viton®, a high performance elastomer, has a proven reputation for outstanding performance in hot and corrosive environments.

**SMOOTH BODY DESIGN**

- In wash-down environments contaminants have fewer collection points

**IP67 RATED**

- Static tested against ingress of dust and water for protection of internal components and long actuator life

**Fluid Dispensing**

- Repeatable Force
- Smooth Velocity



**Available Options:**

**Mounting**

Multiple options available

**Brake**

24V Spring held / electronically released

**Rod End**

Multiple options available

**ARO**

Anti-Rotate

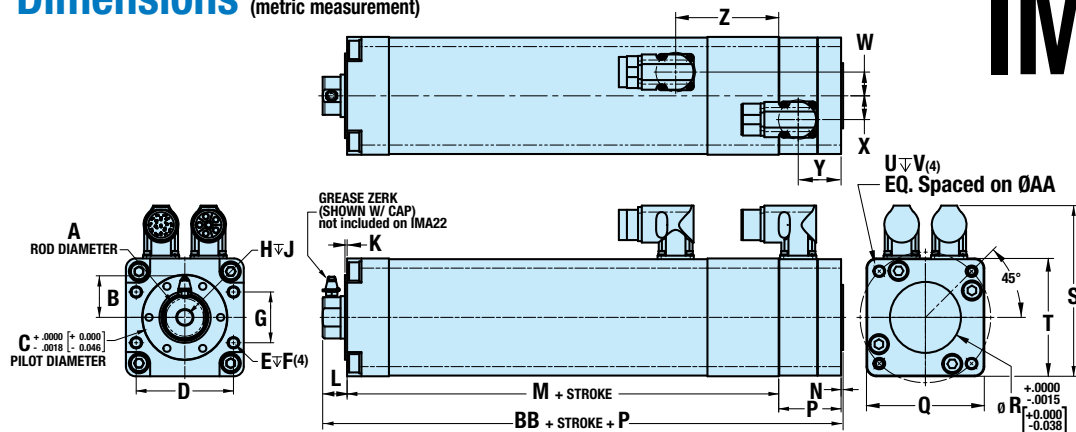
**Applications:**

- Fillers
- Fluid dispensing
- Food slicing
- Formers
- Hydraulic replacement
- Material handling systems
- Medical
- Open - close hatches
- Packaging equipment
- Pharmaceutical
- Pneumatic replacement
- Valve / Process Control
- Ultrasonic Cutting

# IMA-WP WHITE PAINT INTEGRATED MOTOR ACTUATOR

## Dimensions (metric measurement)

# IMA-WP



ACTUATOR SIZING

COMPLETE INFORMATION, SIZING SOFTWARE AND SOLID MODELS AVAILABLE AT: [www.tolomatic.com](http://www.tolomatic.com)

CAD LIBRARY

	IMA22	IMA33	IMA44	IMA55
A	25.38	30.13	38.08	57.13
B	—	28.3	32.3	41.9
C	48.000	60.000	72.000	100.000
D	54.00	69.00	85.00	110.00
E	M6 x 1.0	M8 x 1.25	M8 x 1.25	M12 x 1.75
F	13.2	14.5	17.1	22.5
G	20.00	36.00	55.00	65.00
H	M8 x 1.25	M12 x 1.25	M20 x 1.5	M27 x 2.0
J	16.5	22.2	25.9	38.1

	IMA22	IMA33	IMA44	IMA55
K	1.5	1.5	1.5	1.5
L	17.3	17.3	16.8	24.1
M	109.8	153.7	200.0	266.2
N	1.5	1.5	1.5	1.5
P min.	41.2	44.2	44.2	48.2
P max.	96.3	100.6	99.1	111.5
Q	63.5	83.6	110.5	143.6
R	40.000	50.000	75.000	100.000
S min.	102.0	122.2	149.0	181.9
S max.	104.4	124.6	151.4	184.3

	IMA22	IMA33	IMA44	IMA55
T	63.5	83.6	110.5	143.6
U	M6 x 1.0	M8 x 1.25	M8 x 1.25	M12 x 1.75
V	13.5	16.5	16.5	20.5
W	9.5	16.8	22.2	22.2
X	9.5	16.8	22.2	22.2
Y	27.3	30.4	30.4	34.4
Z	60.6	73.1	77.9	86.9
AA	70.00	92.00	127.00	155.00
BB	128.6	172.5	218.3	291.8

### Performance & Mechanical Specs:

		IMA22 (1 STACK, MV21/41)	IMA22 (3 STACK, MV23/43)	IMA33 (1 STACK, MV21/41)	IMA33 (3 STACK, MV23/43)	IMA44	IMA55
CONTINUOUS FORCE	kN	0.89	1.45	2.0	4.7	9.3	12.2
PEAK FORCE	kN	1.45	1.45	6.0	11.1	17.8	30.6
MAX. VELOCITY	mm/sec	356	356	1219	1168	1334	797
TEMP RANGE	°C	Standard: 10 to 40; Extended: -20 to 60 (Contact Tolomatic if operation in the Extended Range is required)					
IP RATING		Standard IP65, Optional IP67 (Static)					

(Motor/screw selection determines performance. Not all models deliver maximum values listed, i.e.: Maximum thrust may not be available with maximum speed)

### • ROBOT & DRIVE/CONTROLLER COMPATIBILITY •

Compatible feedback, connector(s) and wiring to match the following robot & drive/controller manufacturers:

- ABB Robot\*
- B&R 8LS\*
- Fanuc Robot\*
- Motoman / Yaskawa Robot\*
- Schneider Electric SH\*
- Aerotech BM\*
- Baldor BSM
- Kawasaki Robot\*
- SEW CMP\*
- Allen Bradley MP & VP\*
- Beckhoff AM8\*
- Kollmorgen AKM\*
- Nachi Robot\*
- Siemens 1F\*
- Bosch Rexroth MSK
- Kuka Robot\*
- Omron\*
- Stober\*
- Emerson FM & NT
- Lenze MCA
- Parker MPP\*

\*Consult Tolomatic for lead time



COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 = Certified site: Hamel, MN

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