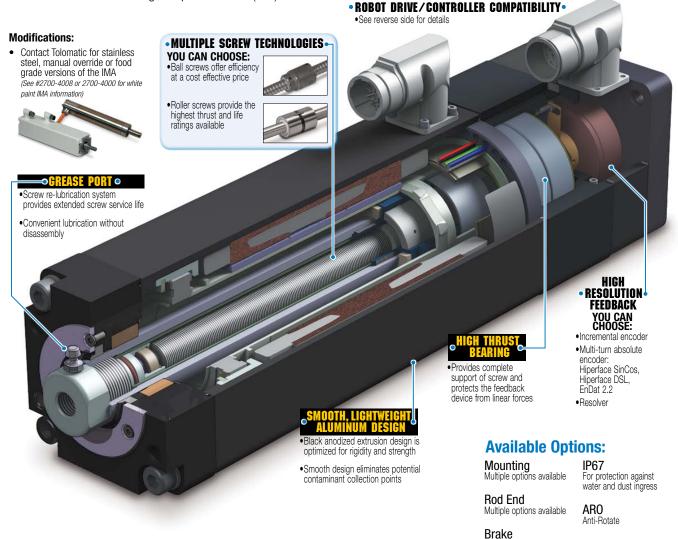


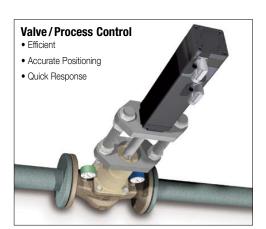
○ENDURANCE TECHNOLOGY

IMA INTEGRATED MOTOR ACTUATOR



The IMA is a durable, high force rod-style actuator with an IP65 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. Our patented design allows for easy re-lubrication without disassembly for extremely long service life. Built-to-order in stroke lengths up to 450 mm (18").





Applications:

- Animation
- · Automated assembly
- Automotive
- Clamping
- · Cycle testing
- Fillers
- Fluid dispensing
- Formers
- · Hydraulic replacement
- Material handling systems

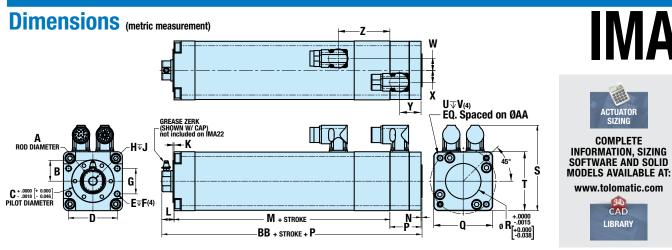
- Military
- Molding
- Motion simulators
- · Packaging equipment

24V Spring held / electronically released

- Parts clamping
- Pick & place
- Pneumatic replacement
- Press fitting systems
- Riveting / fastening / joining
- Robot manipulator arms

- · Sawmill equipment
- · Spot Welding
- Stamping
- Tension control
- Tube bending
- · Volumetric pumps
- · Web guidance
- Wire winding
- Many more

IMA INTEGRATED MOTOR ACTUATOR



	IMA22	IMA33	IMA44	IMA55	
Α	25.38	30.13	38.08	57.13	
В	-	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	
Н	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	
Pmin.	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	
Smin.	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	
Υ	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 29		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*
- Aerotech BM*
- Allen Bradlev MP & VP*
- •B&R 8LS*
- Baldor BSM
- Beckhoff AM8*
- Bosch Rexroth MSK
- Nidec FM & NT
- *Consult Tolomatic for lead time
- Fanuc Robot*
- Kawasaki Robot*
- Kollmorgen AKM*
- Kuka Robot*
- Lenze MCA
- Motoman / Yaskawa Robot*
- Nachi Robot*
- Omron*
- Parker MPP*
- Schneider Electric SH*
- SEW CMP*
- Siemens 1F*
- Stober*



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