

INNOVATIVE | TRUSTED | COLLABORATIVE

G3 SEAT ACTUATORS



3000 Winona Avenue
Burbank, California 91504
United States

Mail: PO Box 7722
Burbank, California 91510
United States

Phone: +1 (818) 526-2600
www.craneae.com



IMAGINE THE POSSIBILITIES OF POWERED SEAT ACTUATION

The new family of G3 actuators for the mcX™ Premium Seat Modular Control System opens the door to the next generation of the passenger experience. G3 actuators are smaller, lighter, quieter, and are capable of handling higher loads at faster speeds.

The mcX system uses a distributed control architecture, which allows individual modules to operate independently from a central controller. The patented modular architecture and primary/secondary CANBUS system allows for rapid system expansion and simple add-ons. G3 actuators integrate seamlessly into the existing mcX architecture for a quick-acting, smooth, and smart system.



Rotary Actuator

Linear Actuators

PERFORMANCE SPECIFICATIONS

Baseline Weight.....	1.95 lbm/890 gm
Max Static Load.....	.8500/1000 lbf/in-lbf
Noise.....	<50 dBA
Current at 28 Vdc at Nominal Load.....	2.4 Amps

FEATURES

- Lightweight, 33% lighter than previous modules
- 90% efficiency improvement
- 50% size reduction
- 136% increase in max load capability
- Quiet, 65% reduction in noise
- Compact housing
- Universal mounting system
- Brushless motor
- No-friction brake
- Non-contact position sensing
- No calibration required

	High Speed Low Force		Mid Speed Mid Force		Low Speed High Force	
	Linear 1" lead	Rotary	Linear 1" lead	Rotary	Linear 1" lead	Rotary
	93-20XX-XX-XX	93-26XX-XX-XX	93-21XX-XX-XX	93-27XX-XX-XX	93-22XX-XX-XX	93-28XX-XX-XX
No Load Speed	1.84 in/s 47 mm/s	110 RPM	1.22 in/s 31 mm/s	73 RPM	0.91 in/s 23 mm/s	55 RPM
Speed at Norm Load	1.28 in/s 33 mm/s	77 RPM	0.85 in/s 22 mm/s	51 RPM	0.64 in/s 16 mm/s	38 RPM
Nominal Load	200 lbf 890 N	45 in-lbf 5 N-m	300 lbf 1333 N	68 in-lbf 8 N-m	400 lbf 1778 N	90 in-lbf 10 N-m
Speed At Max Load	0.80 in/s 20 mm/s	51 RPM	0.54 in/s 14 mm/s	32 RPM	0.40 in/s 10 mm/s	24 RPM
Max Load	370 lbf 1644 N	84 in-lbf 9 N-m	560 lbf 2489 N	125 in-lbf 14 N-m	740 lbf 3289 N	167 in-lbf 19 N-m