



FOOD GRADE ACTUATORS

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IP69K Rated Food Grade Actuators (Stainless Steel)

Nook's Premium Food Grade Actuators conform to several hygienic design guidelines including **3-A Dairy** for food and beverage applications and is **IP69K** rated for sanitary wash-down *during operation*. **Designed as an alternative to pneumatic cylinders**, they are optimal for a wide variety of Food & Beverage applications where reliability, durability, hygiene, and corrosion resistance are critical.

Features:

- Angular contact bearings minimize wear
- Smooth 316 stainless housing for corrosion resistance
- Several mounting and motor options
- Motor isolated from actuator for protection
- Water and corrosion resistant (IP69K)
- Premium grade wear resistant seals



Benefits:

- Clean in place (CIP) while actuator is operating
- Eliminates need for protective guards
- Extended operating service life
- Extreme leak protection
- 3A Dairy and hygienic usage

Ideally Suited for:

- Aligning
- Open/Close Doors & Lids
- Conveyors
- Dumping
- Cutting
- Packaging
- Filling
- Sorting
- Slicing
- Pumping
- Raising/Lowering
- Moving

And many more...

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Stainless Steel Actuators (Fully Enclosed)

Nook's stainless steel ball screw actuators are available in standard and enclosed options and feature exterior components made from FDA approved materials. These premium actuators utilize 300 series stainless steel, FDA compliant exterior components, and hardened alloy steel Nook ball screws.



SA-XX Inline Version



SA-XX Parallel Version



SA-ER-XX

Specifications

Model #	Screw Size / Lead (mm)	Max. Output Continuous (N / lbF)	Max. Output Intermittent (N / lbF)	Static Capacity (N / lbF)	Travel Rate (max) (mm/sec)	Travel Lengths (mm)
SA-XR-06	6 / 2	111 / 25	156 / 35	306 / 69	48	50 – 200 25 mm incr.
SA-ER-06						
SA-XR-10	10 / 2	400 / 90	712 / 160	1200 / 270	48	50 – 300 50 mm incr.
SA-ER-10						
SA-20	20 / 5	4855 / 1090	11650 / 2620	6450 / 1450	250	150 – 750 150 mm incr.
	20 / 20	1215 / 275	9690 / 2180	6450 / 1450	1000	
SA-32	32 / 10	5000 / 1125	13622 / 3062	25800 / 5800	500	150 – 900 150 mm incr.

Maximum outputs are at maximum speeds



SA-XR-XX

XR SERIES (External Motor)

Intended for light duty use on non-product contact food processing machines. All exterior components (except motor) are wash down compatible.

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