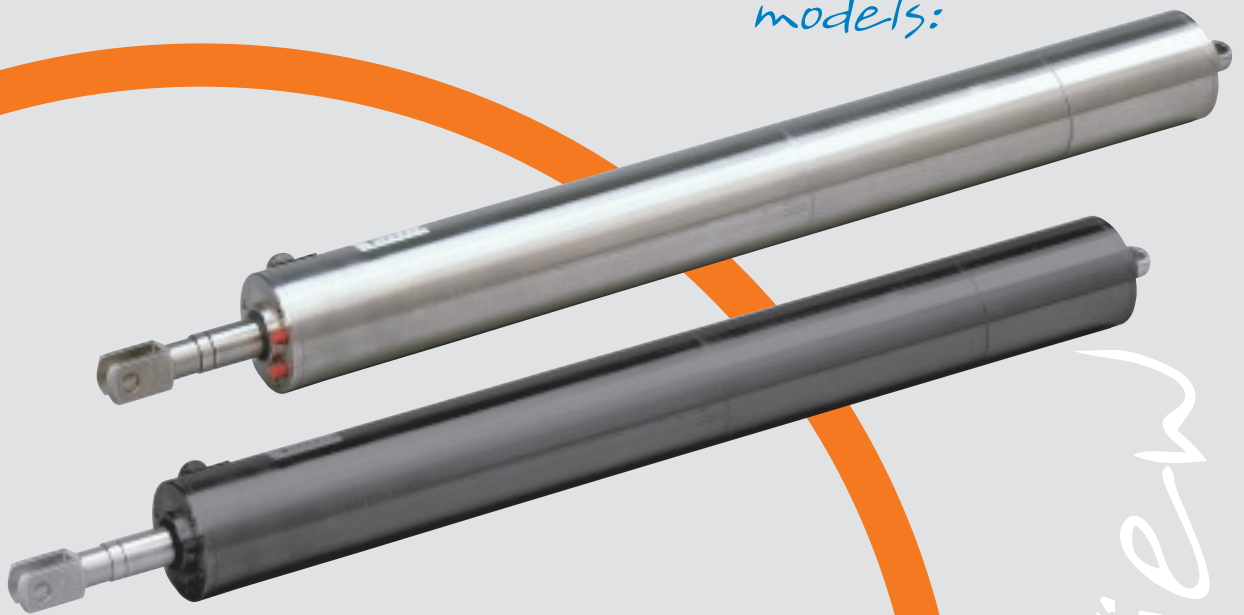




*Our
intelligent
models:*



Overview

Linear actuators Econom



Applications

Econom: The right choice

Our customers come from many different industries:

From architects and planners of contemporary façade architecture up to plant construction and mechanical engineering specialists.

In all application areas, our Econom series actuators meet a variety of individual requirements.

No matter what your linear actuator needs are, whether it be for clean room applications, sun position tracking for solar panels or in the printing industry, we provide you with the optimum solution. Our range of Econom actuators is so flexible that we can deliver the required solution for your application, from sun protection in façade technology to the extreme conditions found in the mining industry.

Compared to hydraulic or pneumatic actuators, the Econom electric linear actuators have the following advantages:

- Constant stroke speed
- No fluid loss
- Mechanical self-locking
- Almost maintenance-free
- Precise positioning
- Large choice of force and speed variations
- Long lifetime and high efficiency

Numerous quality and function tests, including certification, ensure high product reliability for a wide range of applications. The UL certified Econom 0 actuator, for instance, can be used without restrictions in the USA and Canada.

Due to the wide variety of possible applications, especially between façade construction and mechanical engineering, a clear choice for a specific actuator version is sometimes difficult.

Façade construction

Typical actuator variants utilised in façade architecture consist of a stainless steel construction. For example, the Econom 0 version F offers a good balance of force and speed and with its integrated hysteresis brake ensures reliable self-locking without additional cables. Also the actuator types Econom 01, Econom 1 and Econom 2 have proved themselves in façade architecture time and time again.

Mechanical engineering

Typical actuator models utilised for mechanical engineering are the Econom 01, Econom 1 and Econom 2 series in the standard steel versions with either primer coating, powder coating or top coating. A wide variety of options like force limiters, encoders or potentiometers are also important for the selection of application-specific versions.

Of course, actuators with stainless steel construction and the Econom 0 can also be used for mechanical engineering.

Our intelligent models



Versions · Options

You can find detailed information about technical parameters and options in the brochure of the corresponding actuator version.

The facts

	Econom 0	Econom 01	Econom 1	Econom 2
Load (N)	100 – 3,000	500 – 5,000	900 – 10,000	5,000 – 20,000
Stroke speed (mm/s)	0.6 – 70	0.7 – 90	0.5 – 70	1 – 40
Standard stroke length (mm)	50	50	50	50
Stroke length extension at intervals of 50 mm max.	400	750	750	750
Operating voltage	24 V DC / 230 V 1 AC / 400 V 3 AC			400 V 3 AC
Temperature range (°C)	from -20 to +80			
Protection class	IP 54 or IP 65 s			
Piston rod	torsion lock			
Double scraper ring	at piston outlet			
Limit switches	adjustable, with status signal, stroke reduction by 25 mm per limit switch			
Housing	black primer coating, alternatively in stainless steel			
Connecting cable length (m)	1.5			

Options

- Potentiometer for output of a stroke-dependent resistance value
 - Encoder
 - Brake
 - DIN 71752 clevis end on piston and housing end
 - DIN 648 joint rod head on piston and housing end
 - Adjustable articulated lug on piston end
 - Rotatable articulated lug on piston end
 - Spring-action articulated lug on piston end
 - Flange attachment
 - Pivot attachment
 - Special coatings
- Other mounting types, stroke lengths, stroke speeds, special voltages, circuit variants, cable types as well as additional equipment (protective sleeve, plug connections, etc.) on request.