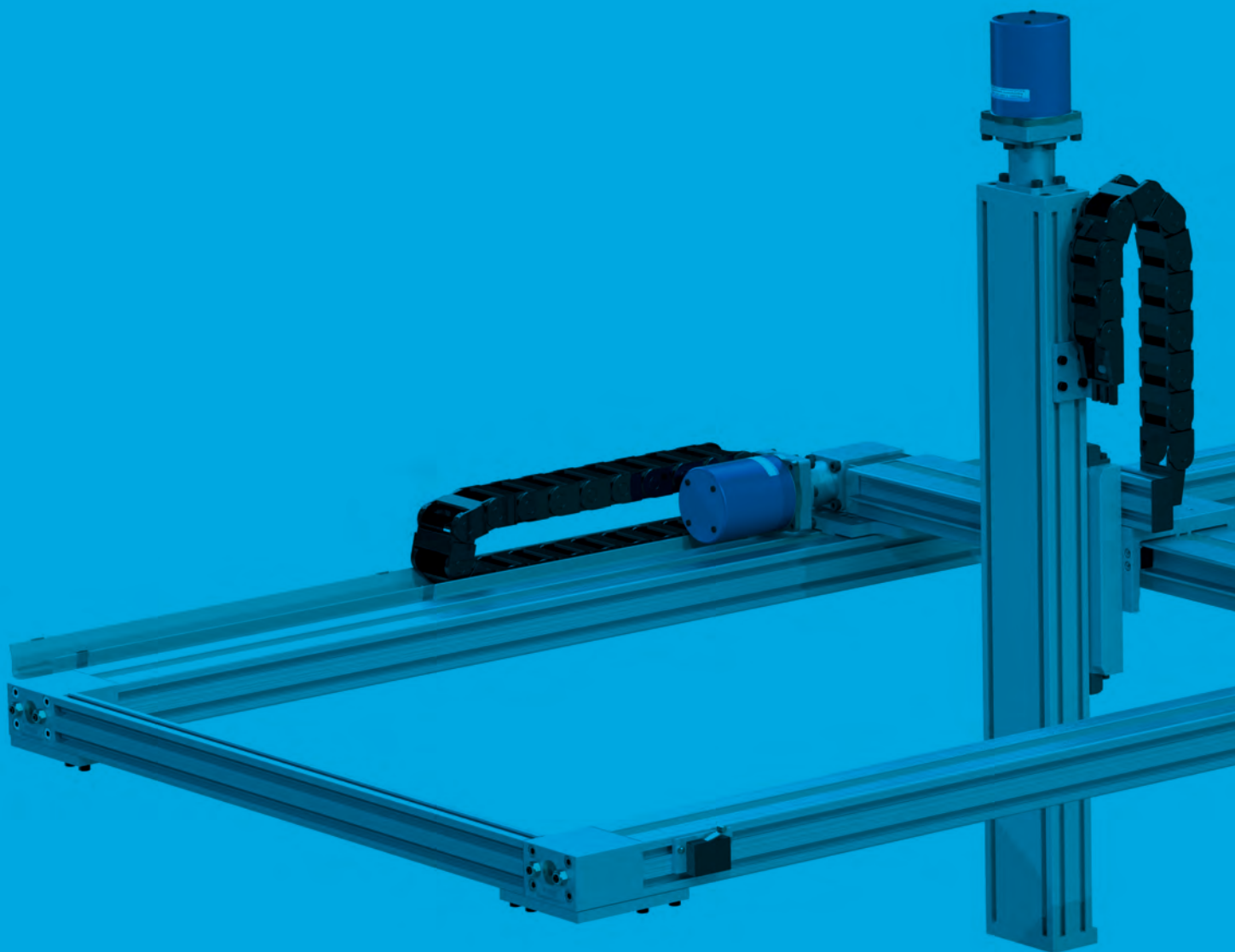


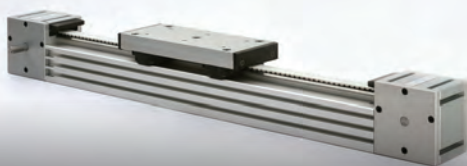


# LINEAR ACTUATORS



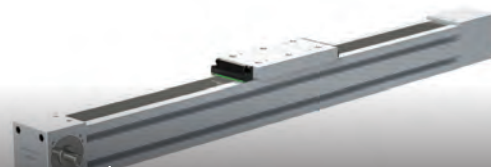
PDU2 Belt Driven Actuator

3



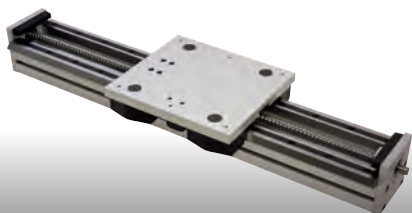
DLS Belt Driven Actuator

4



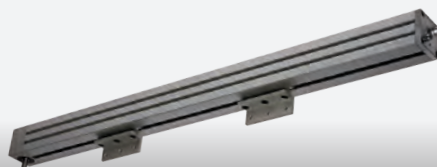
SBD Belt Driven Actuator

5



HDCS Heavy Duty Ball Screw Actuator

9



DAPDU2 Dual Action Actuator

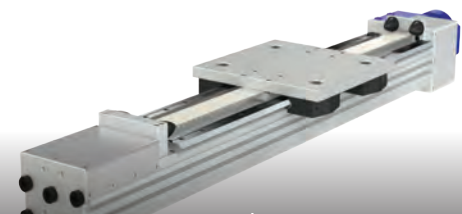
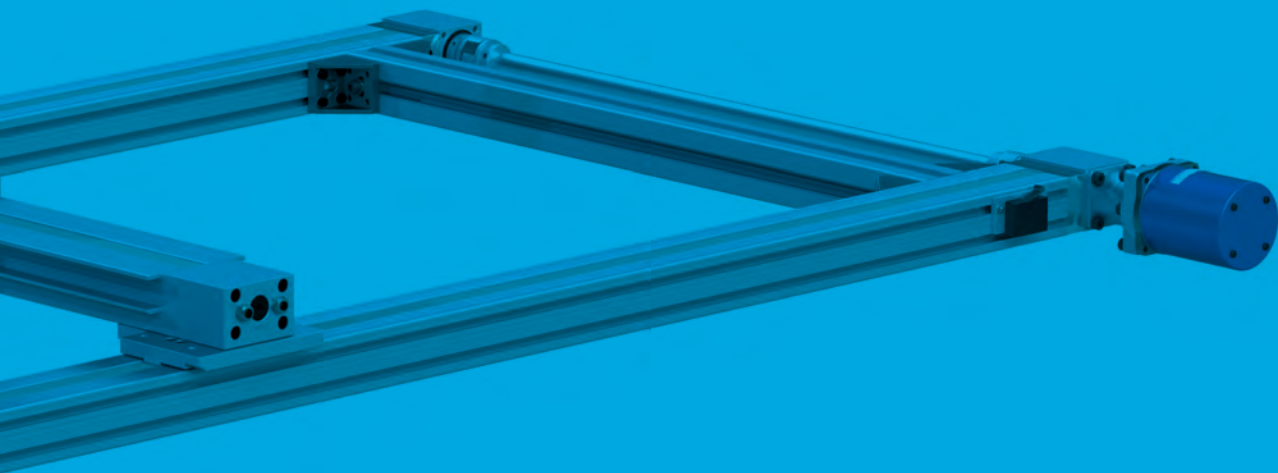
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HPS Pneumatic Linear Actuator

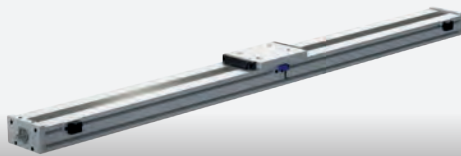
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# LINEAR ACTUATORS



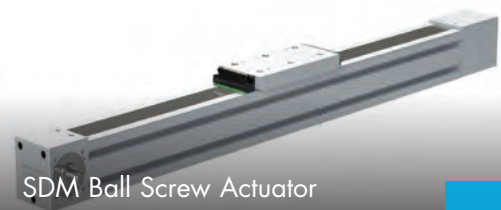
HDLS Heavy Duty Belt Driven Actuator

6



PSD Ball Screw Actuator

7



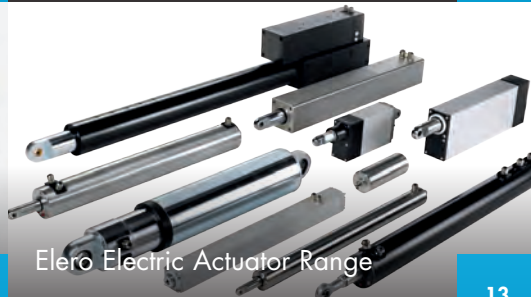
SDM Ball Screw Actuator

8



Zimm Screw Jacks

11



Elero Electric Actuator Range

13



HepcoAutomation®

14

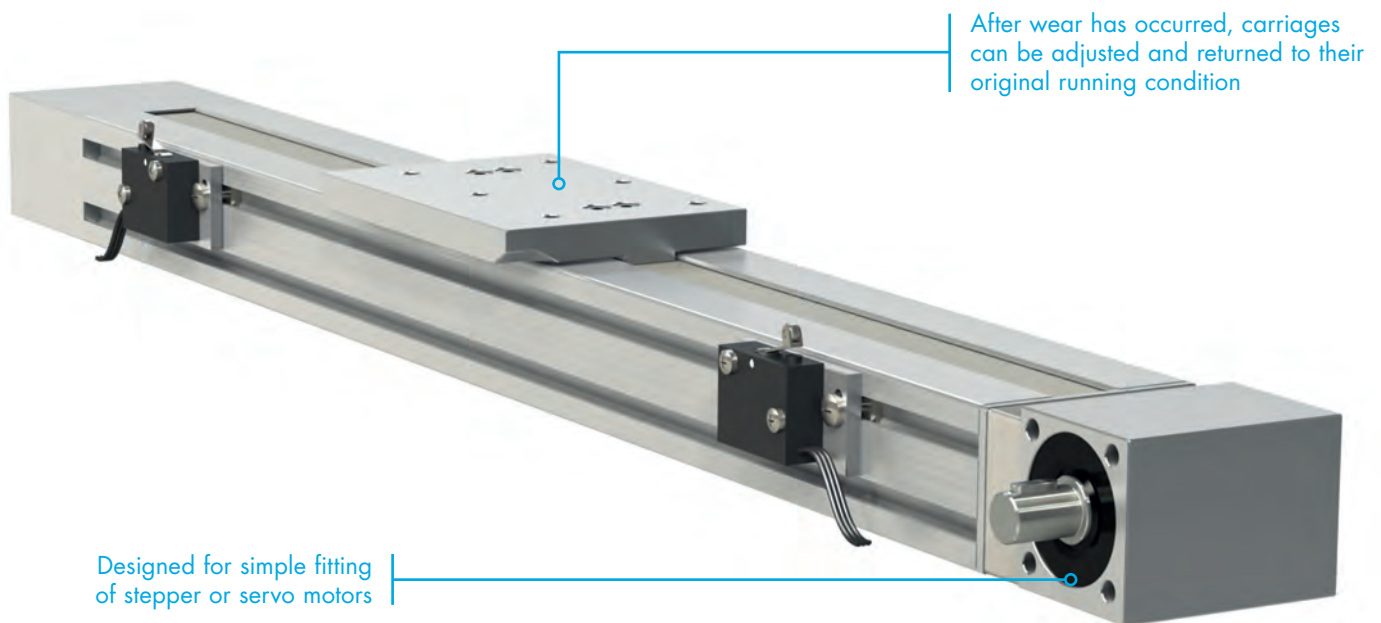
# PDU2 Belt Driven Actuator

Load Range 0 – 500N

Speeds 0 – 6m/s

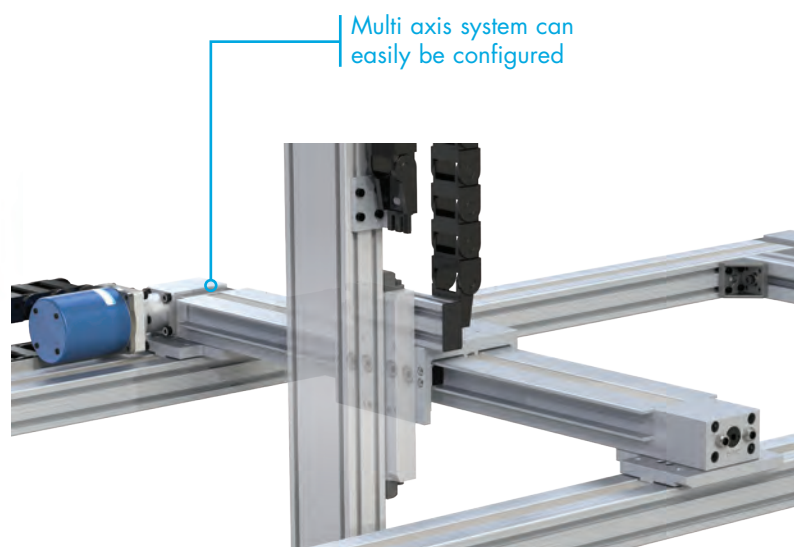
HepcoMotion's PDU2 low maintenance linear actuator provides a superior combination of load capacity, speed and low friction characteristics. Designed to meet the needs of low cost linear applications, the PDU2 has such a long life that most units will outperform the life of the machine they are fitted to.

- Compact, ready to mount actuators in lengths of up to 6m
- No lubrication necessary, low maintenance, long service life
- Beam is available with or without T-slots
- Corrosion resistant version available



Designed for simple fitting of stepper or servo motors

After wear has occurred, carriages can be adjusted and returned to their original running condition



Multi axis system can easily be configured



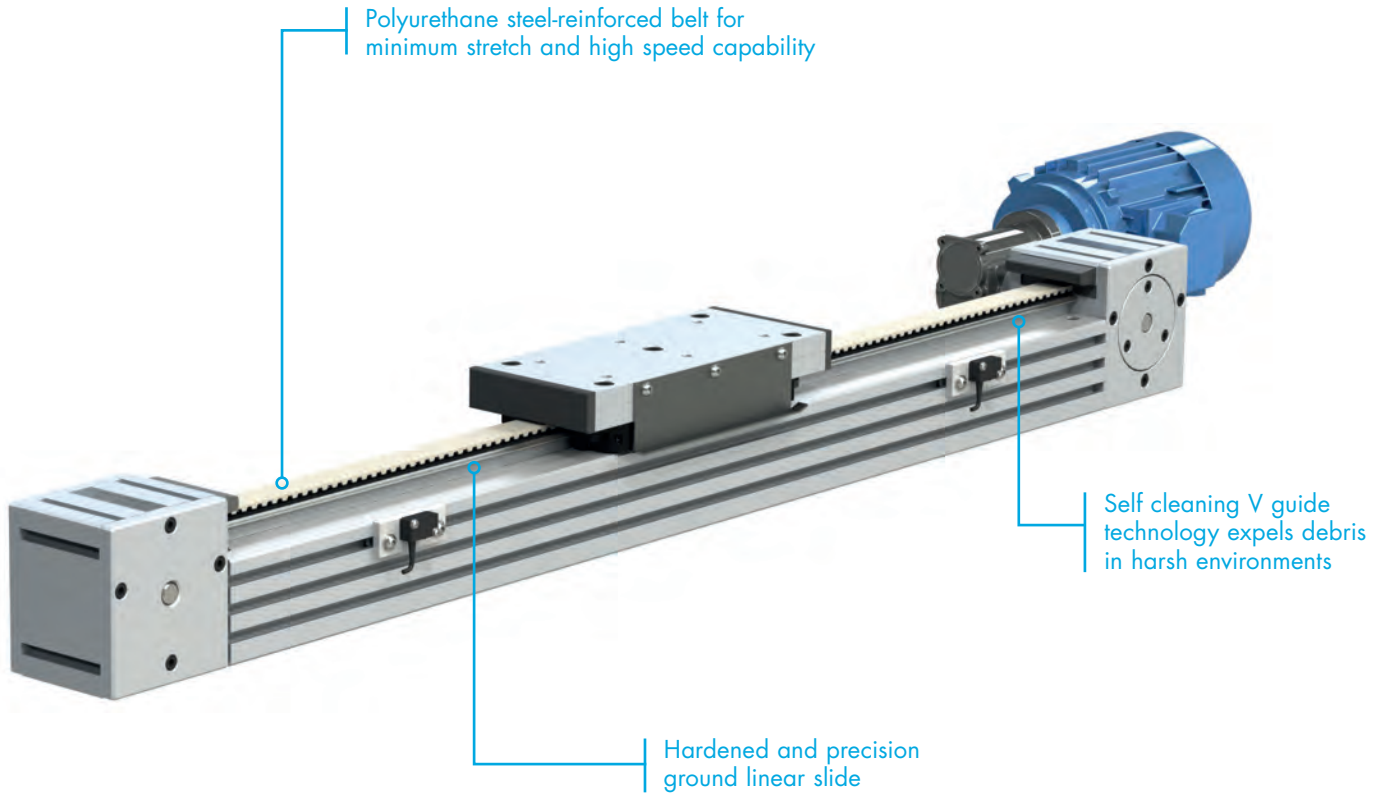
# DLS Belt Driven Actuator

Load Range 0 – 3,500N

Speeds 0 – 6m/s

HepcoMotion's DLS belt driven actuator will save hours in design and specifying time. The system comprises of a belt-driven linear actuator, AC motor/inverter package and a range of compact planetary gearboxes for use with servo motors. Options include a cantilever axis with lightweight beam, plus couplings and connecting shafts for actuators used in parallel.

- Actuators in any length up to 8m as standard, and even longer on application
- Double row cap sealed bearings provide long system life and low maintenance
- AC motor and controller option provides the means for simple positioning to suit most applications
- Planetary gearbox directly coupled for compact assembly
- Corrosion resistant version available
- Available in 3 sizes, DLS 3/4/5
- Cantilever option for Z axis movement



Standard connections are available for multi-axis systems



# SBD Belt Driven Actuator

Load Range 0 – 13,760N

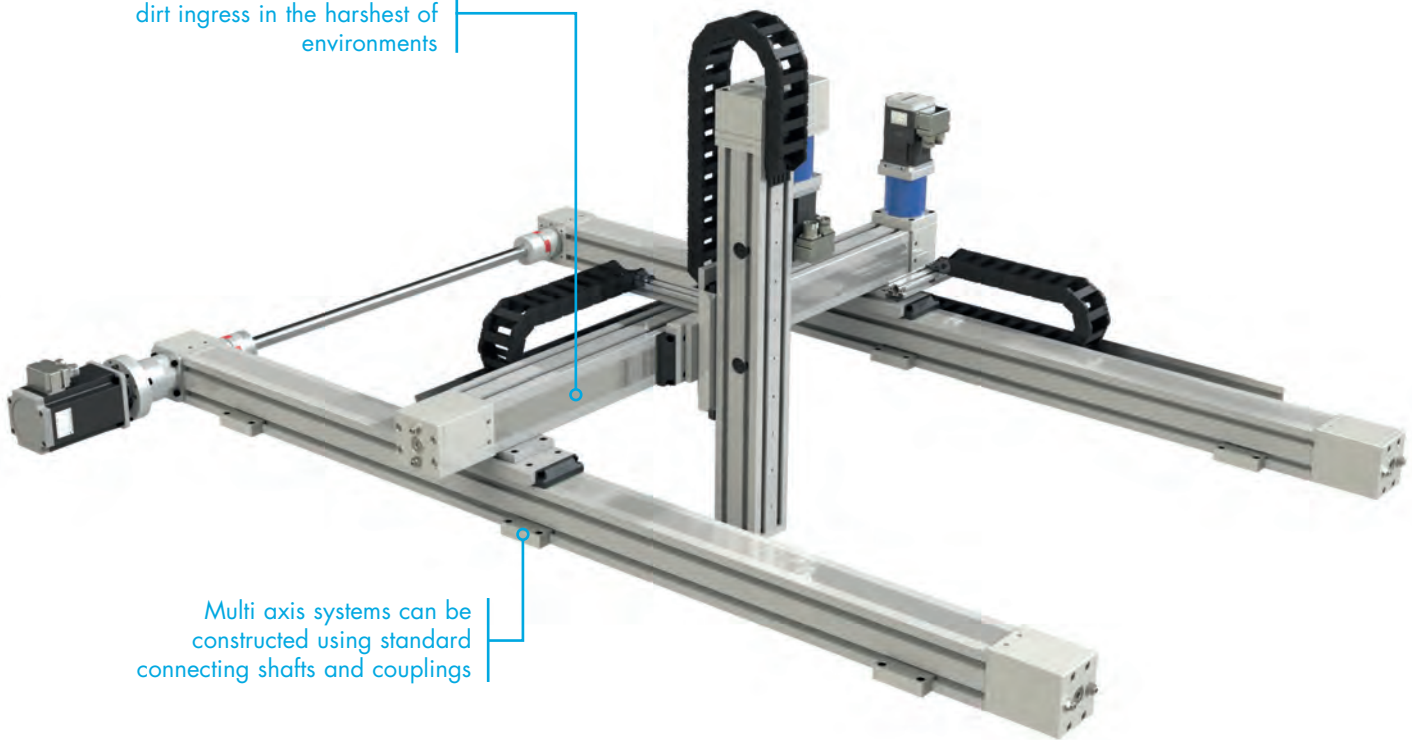
Speeds 0 – 4m/s

Utilising HepcoMotion's high capacity re-circulating ball guides, the SBD provides a higher load capacity than other comparable sized linear actuators. Moment load capacity is also improved and system life is longer in high duty applications.

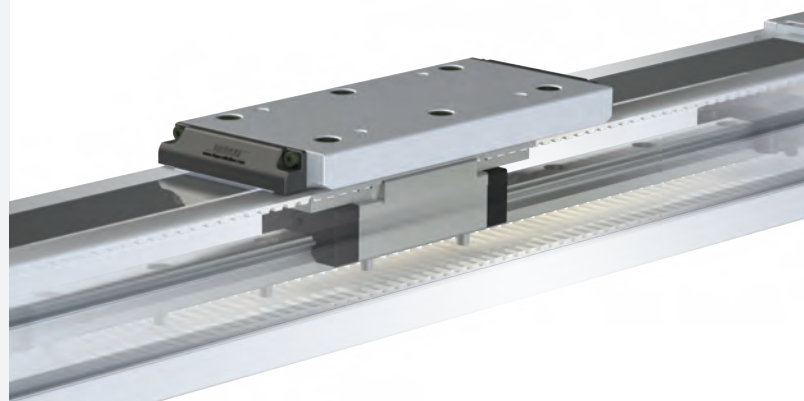
- Incorporates re-circulating guide technology for higher direct load applications
- Easy fitting of gearboxes/motors. Flange can be tailored to suit individual preferences
- Clean room and corrosion resistant versions available, ideal for scientific and electronic applications
- Product line incorporates deeper XL beam for long length applications where the beam is used as part of the structure

Stainless steel band prevents dirt ingress in the harshest of environments

Multi axis systems can be constructed using standard connecting shafts and couplings



Long carriage version for increased moment load



# HDLS Heavy Duty Belt Driven Actuator

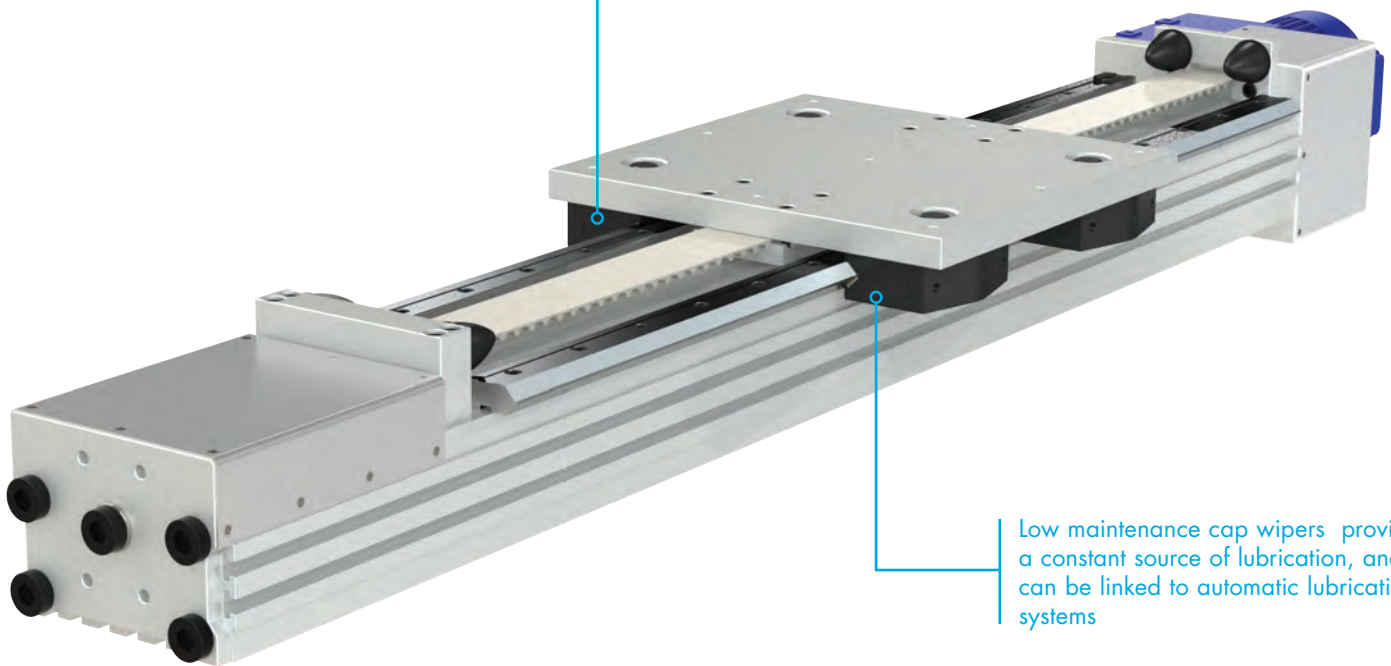
Load Range 0 – 28,000N

Speeds 0 – 6m/s

HepcoMotion's heavy duty actuator will handle heavy loads in a variety of conditions with minimal maintenance. It is popular in many automotive installations where constant, reliable running is vital, and also as part of heavy duty gantry systems.

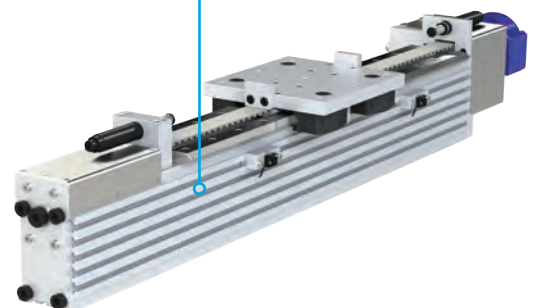
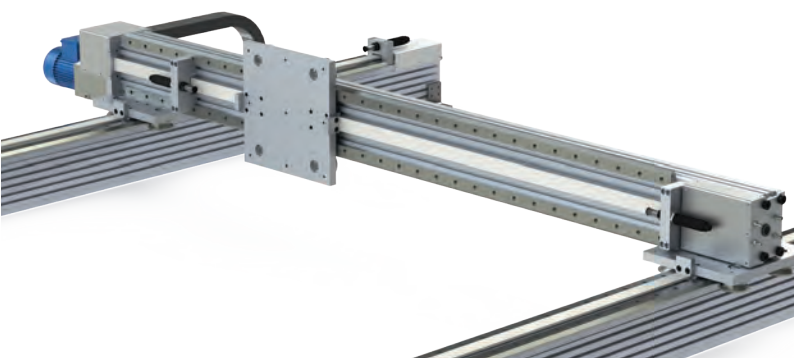
- The HDLS beam is strong enough to perform a gantry function. No additional support is required
- High driving forces ideal for automotive or other heavy duty transfer requirements
- Available with a range of steel reinforced belts ideal for lifting heavy loads
- Available with wider slide spacing to handle high offset loads
- Corrosion resistant version available

High capacity, durable, double row bearings from the HDS2 range give superior performance in harsh environments



Low maintenance cap wipers provide a constant source of lubrication, and can be linked to automatic lubrication systems

Either side of the HDLS mounting beam can be utilised according to functional requirements



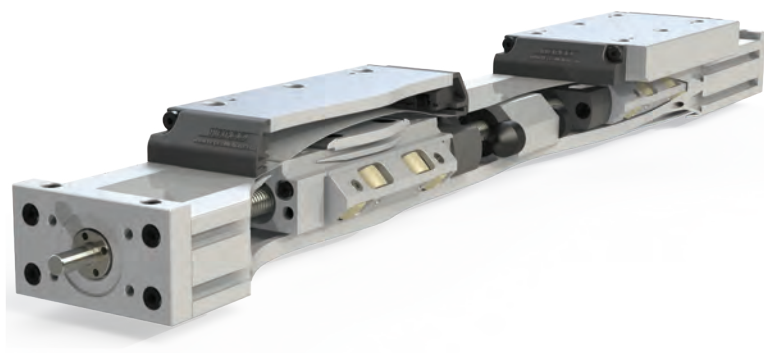
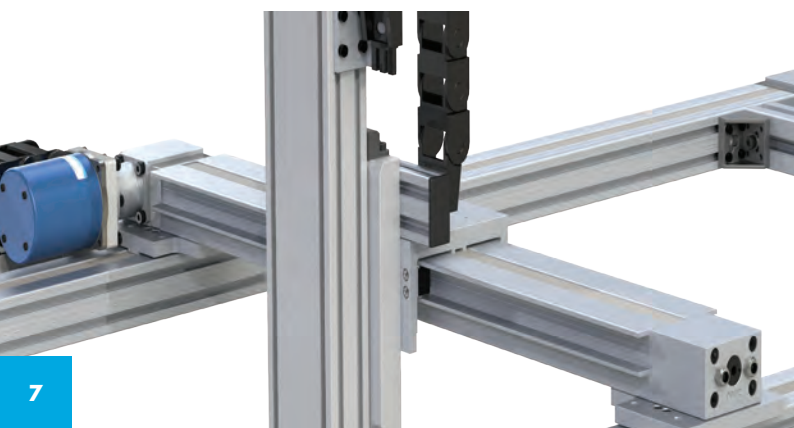
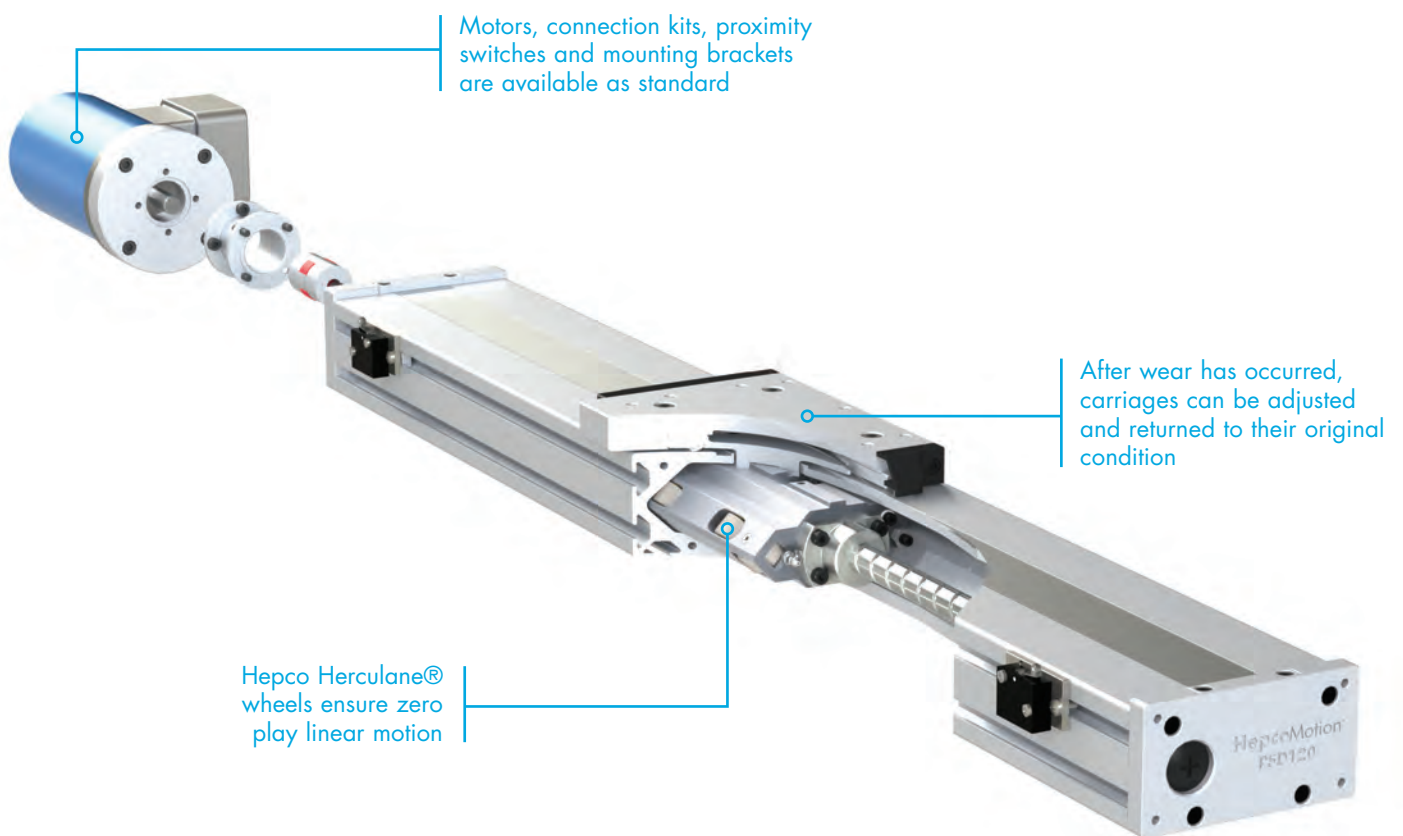
# PSD Ball Screw Actuator

Load Range 0 – 700N

Speeds 0 – 1m/s

HepcoMotion's PSD lightweight screw driven actuator is a space saving, ready to mount system available in 80mm (PDS80) or 120mm (PDS120) units. They can be used as single or multi axis units and are particularly useful in Z-axis applications.

- Can be used as a single axis unit, or part of a multi axis system
- Works well in Z-axis applications
- Available with ball screw or lead screw drive, and a wide range of screw pitches
- Stainless steel cover effectively seals the unit from debris
- Double acting PSD80 available





# SDM Ball Screw Actuator

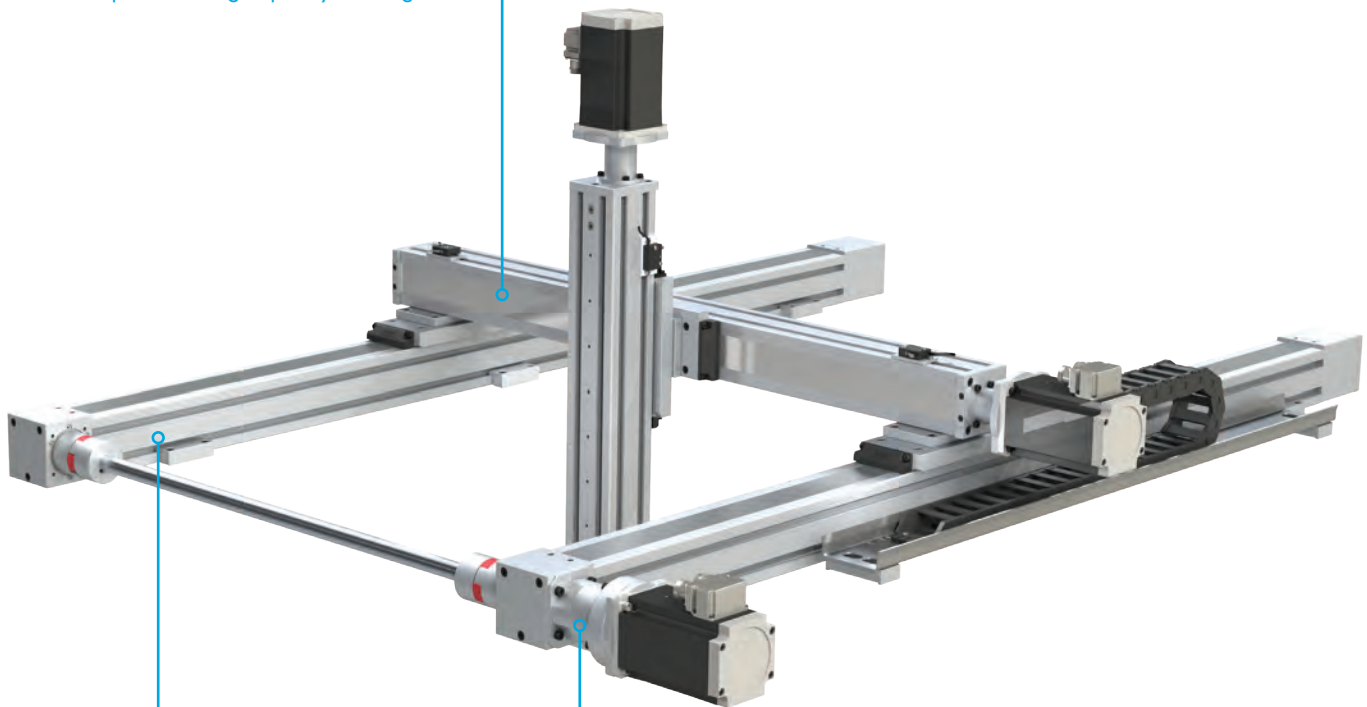
Load Range 0 – 13,760N

Speeds 0 – 1m/s

HepcoMotion's SDM ball screw actuator incorporates a ball screw drive to provide additional linear precision and force. High quality sealing is provided thanks to a very effective stainless steel band running along the length of the beam. Two actuator sizes are available as standard; 20-80 & 30-100.

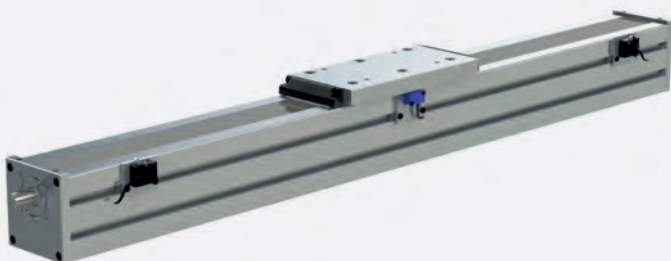
- Five ball screw pitches available as standard 16x5, 16x10, 16x16, 20x5 and 20x20
- Actuators supplied up to 2800mm in one piece
- Uses caged linear ball guides suitable for high loads
- Long carriage option has two bearing blocks for increased capacity
- Clean room versions available suited to food, medical, scientific and electronics industries

The stainless steel band along the length of the beam provides high quality sealing



Easy access re-lubrication points, with 'close off' threaded plugs

Available with motor connection kits



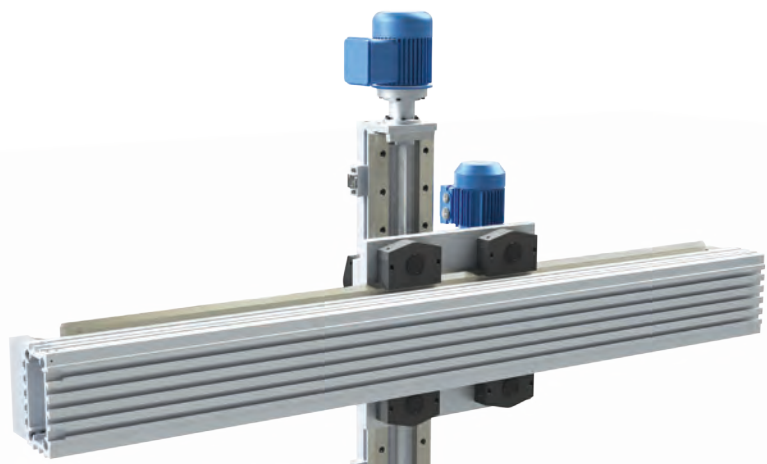
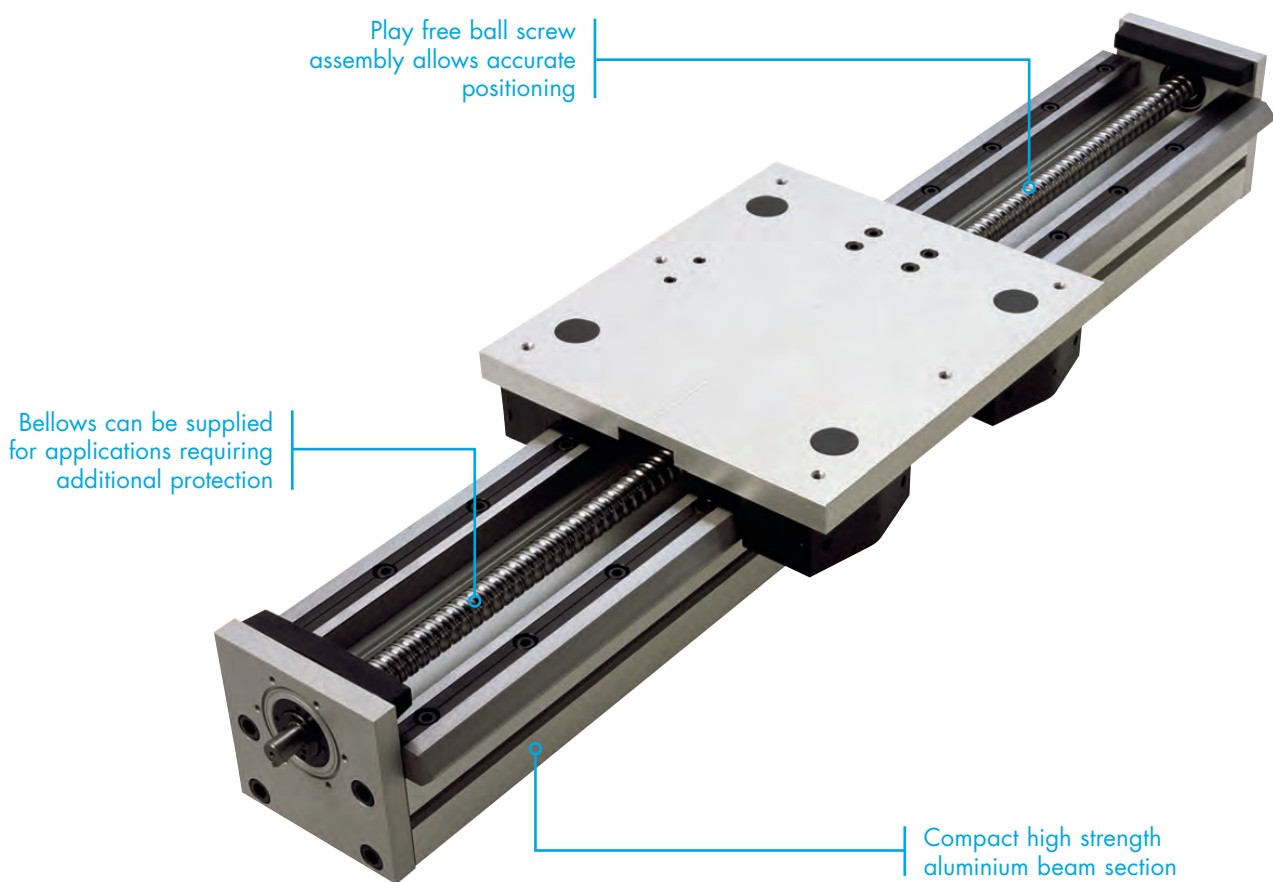
# HDCS Heavy Duty Ball Screw Actuator

Load Range 0 – 28,000N

Speeds 0 – 1m/s

This HDCS actuator is designed for the precise actuation of high loads. It can be used as a stand-alone X-axis, or as a Z-axis with the beam as a moving element.

- Lengths up to 2740mm as standard
- High capacity  $\varnothing$  64mm or  $\varnothing$  95mm bearings provide smooth motion and high load capacity
- Cap wipers provide a constant source of lubrication and reduce the need for maintenance
- Corrosion resistant version available



# DAPDU2 Dual Action Actuator

Load Range 0 – 500N

Speeds 0 – 6m/s

The DAPDU2 actuator provides a low maintenance solution for systems that require opening and closing movements. These include automated architectural and machine tool applications such as windows, doors and other mechanisms.

- Multi-carriage arrangements possible for wider door applications
- High strength beam with T-slots to suit aluminium profiles
- Flat or angled carriage plate for easy mounting
- Can operate at high speeds and with low friction
- Simple belt adjustment
- Internal buffers for end of stroke protection



# HPS Pneumatic Linear Actuator

Load Range 0 – 4,000N

Speeds 0 – 4m/s

The HPS pneumatic linear actuator combines HepcoMotion's proven V Guide technology with an extensive range of high quality pneumatic rodless cylinders.

- Supplied ready to mount
- Self supporting structure for simple installation
- Performs well in harsh environments
- Can take loads in any direction
- Cap sealed bearings for long life and low maintenance
- Proximity switches for end or mid stroke sensing
- Connection brackets for mounting to aluminium profiles
- Corrosion resistant options are available



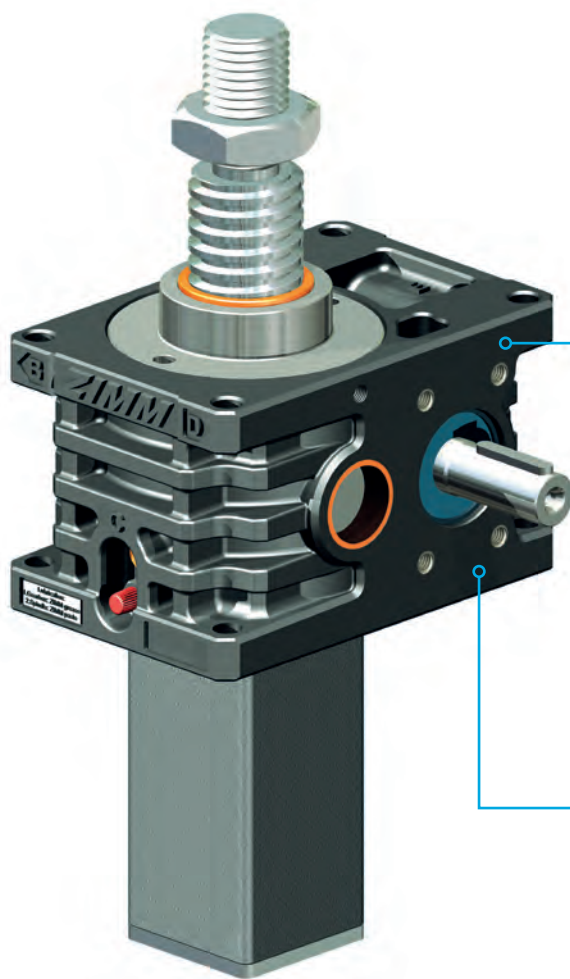
# Zimm Z Series Screw Jack

Load Range 0 – 1,000,000N

Speeds 9.5m/min

The ZIMM Z series screw jack can be configured to lift, lower, push or pull in the most demanding linear motion applications.

- Quality components ensuring maximum operation lifetime
- Ball screw versions for faster speeds and lower torques
- Sizes from 250N to 1000kN
- Standing or rotating versions
- Unique self-aligning nuts with + or - 3° of angular compensation
- High level of technical design support



Corrosion resistant design as standard

Cubic compact design ensures ease of mounting

12 sizes available





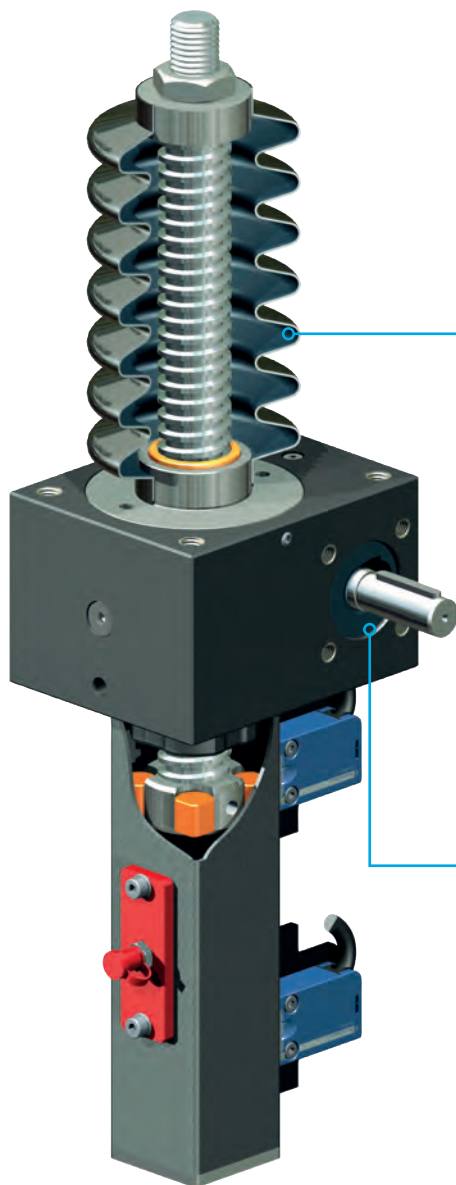
# Zimm GSZ Series Screw Jack

Load Range 0 – 1,000,000N

Speeds 9.5m/min

The ZIMM GSZ series screw jack is designed for applications where smooth surfaces are required. These screw jacks are easier to clean and therefore ideal for applications in the food processing industry.

- Top or bottom mounting
- Fluid grease in the gearbox permits high performance
- Direct screw lubrication
- Corrosion resistant options available
- Smooth, easy to clean surface
- High performance hardened and ground gears
- Standard flange, simple and cost effective
- Loads up to 1,000kN



Optional stainless steel screw

Sealed gearbox

6 sizes available



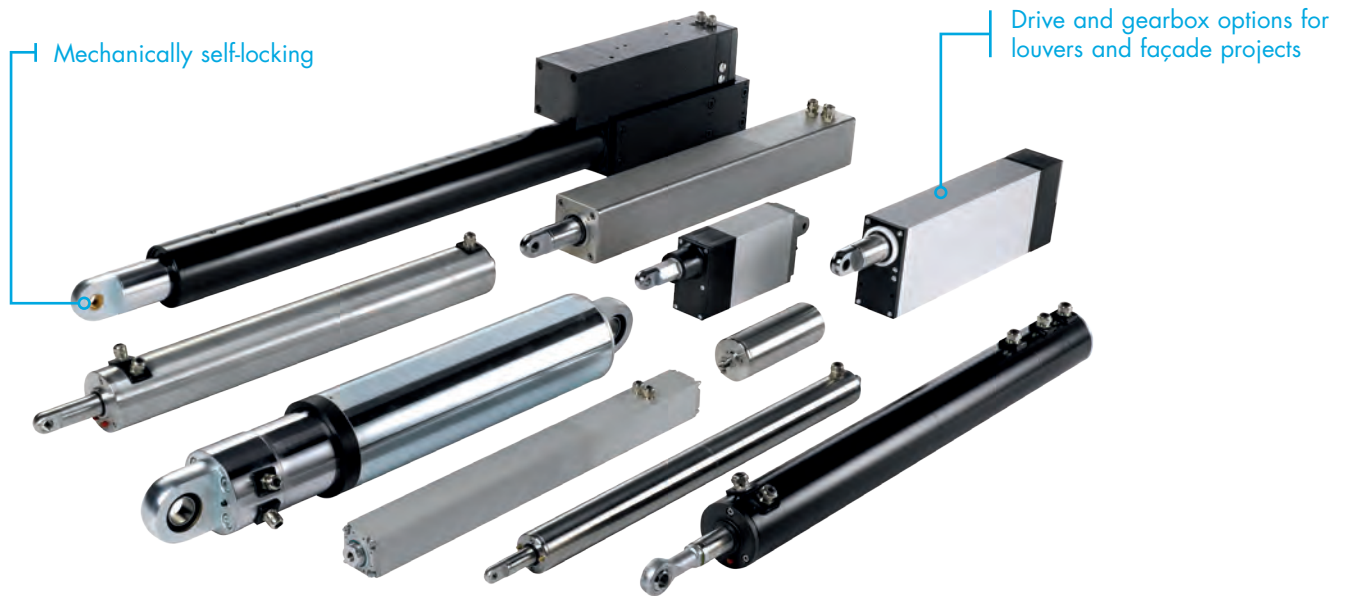
# Elero Electric Actuator Range

Load Range 10N – 200,000N

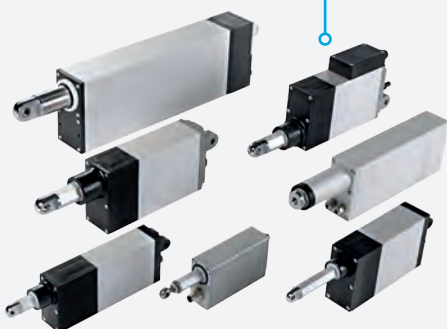
Speeds 0.5mm/s – 110mm/s

Elero electric actuators are sealed against contamination and therefore ideal for hostile environments, clean room applications, food, pharmaceutical and electronics production. There are six models in this range, each has its own special features to cater for a wide range of application options.

- Exact positioning and maintenance free
- Stainless steel models may be specified
- Encoder and potentiometer options available
- Up to 100% operating duty possible
- Units can be linked together via a bus system



Compact space-saving design, including integral guidance system and motor



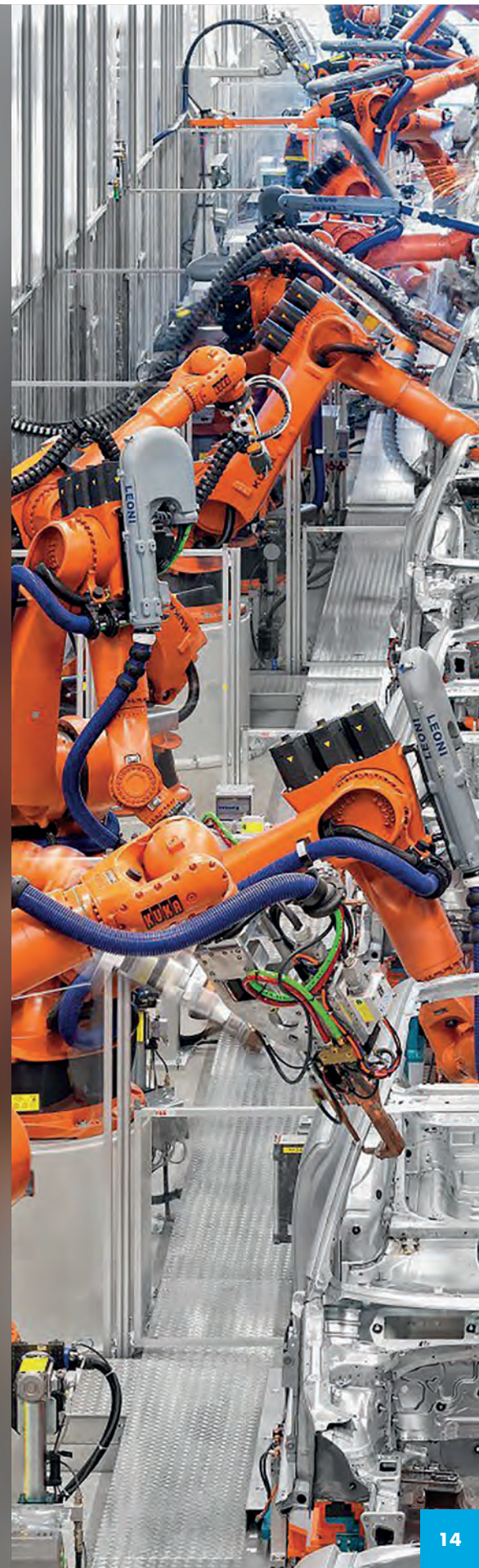
Range available for façade applications





HepcoAutomation offers advanced automation solutions from complete turnkey systems to specialised tooling. Systems are designed using the latest high performance mechanical and motion control products, providing reliable, low maintenance automation solutions.

HepcoAutomation takes care of your project from concept to completion.



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