


[The Company](#) ▾

[Products](#) ▾

[Solutions](#)
[Service](#) ▾

[News](#) ▾

[Contact](#)


# EH-High Thrust Linear Actuator

[PDF Brochure](#)


**EH High Thrust Linear Actuator** of ATLANTA is designed for use in spindle lifting tables and other lifting equipment.

## The following are typical features of our EH High Thrust Linear Actuator

- 2 sizes: EH4 and EH8
- Load capacity: 30 to 160 kN
- Design version with trapezoidal spindle drive self-locking:
  - rotating spindle and non-rotating spindle
- Design version with ball screw spindle drive, increased load rating:
  - rotating spindle, lifting cylinder
- Circumferential backlash basic gearbox <12 arcmin
- Input speed up to 5000 min<sup>-1</sup>
- Linear speed:
  - trapezoidal spindle drive up to 42mm/s
  - ball screw spindle drive up to 165mm/s
- Duty cycle:
  - trapezoidal spindle drive up to 20% (depending on load)
  - ball screw spindle drive up to 100%
- Operating with three-phase AC and servomotor

## YOUR CONTACT

- > [Your Contact](#)
- > [ATLANTA Subsidiary Companies](#)
- > [Agents – Export](#)

## SERVICE

- > [PDF-Catalogues](#)
- > [Operation and Maintenance Instructions](#)
- > [Mounting Videos](#)

## PRODUCTS

- > [Linear Actuators](#)
  - > [HS – High Performance Screw Jack Gearboxes](#)
  - > [EH – High Thrust Linear Actuators](#)
  - > [TS – Standard Screw Jack Gearboxes](#)
- > [Racks](#)
- > [Servo Angle Gearboxes](#)

- > Special Gearboxes and Special Parts
- > Driving Elements
- > Pinion and Pinion Shafts
- > Lubrication Systems
- > Planetary Gearboxes
- > Standard Gearboxes

Overview Gearboxes      Operation and Maintenance Instruction

Inquiry Checklist

Size	Maximum Travelling Speed	Spindle	Spindle Size	Maximum Load at Travel
EH 4	36 mm / sec	trapezoidal spindle	46 x 5 mm	50 kN
	236 mm/sec	ball-screw spindle	50 x 20 mm	60 kN
EH 8	42 mm / sec	trapezoidal spindle	80 x 10 mm	100 kN
	177 mm/sec	ball-screw spindle	80 x 20 mm	160 kN

## Design Versions of ATLANTA EH-High Thrust Linear Actuator



### EH with non-rotating trapezoidal spindle drive

- Trapezoidal spindle performs the lifting motions
- The spindle moves through the gearbox
- Motor flanges and couplings for three-phase AC and servomotors

#### Wide range of accessories:

- Fixing lugs
- Bellows
- Spherical plain bearing rod head
- Protective tube

- Safety grip nut with cut-off
- Inductiv and mechanical limit switches

---

## EH with rotating trapezoidal / ball-screw spindle drive

- Trapezoidal / ball-screw nut performs the lifting motions
- Motor flanges and couplings for three-phase AC and servomotors



### Wide range of accessories:

- Fixing lugs
- Bellows
- Mating bearing flange for spindle end
- Safety grip nut with cut-off

---

## EH with lifting cylinder



- Ball-screw spindle with cylindrical nut in special design
- Anti-rotating protection by long key
- That's why the ball-screw nut pushes the piston tube outside
- Motor flanges and couplings for three-phase AC and servomotors

### Wide range of accessories:

- Front connection with articulated joint or with thread
- Fixing lugs
- Design for outdoor using on request

---

Top