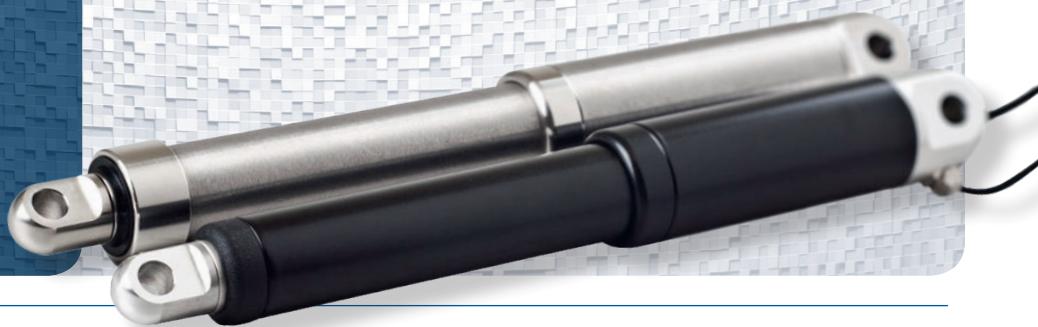


con50

Linear In-line Actuator

concens 
 - excellent electric actuators


Data

Motor/Gear

12/24 VDC power supply, permanent magnet motor

Gear ratio		4	14	17	24	49	84
Maximum load	[N]	500	1750	2200	3100	4500	4500
Speed at maximum load	[mm/s]	70	20	17	12	6.0	4.0

Recommended max. current: 12 VDC = 16 A / 24 VDC = 8 A

Max. Static Load*)/
Self-locking force

■ PA Brackets: 4700 N ■ Alu Brackets: 16800 N

*) Depending on stroke length for push-applications

Temperature

■ Operation: -5°C to +70°C ■ Storage: -40°C to +70°C

Protection class

IP66

Cable specification

1m, 2x0.75mm² (AWG18), diameter ~ 6mm, black/grey

Materials

 Motor and actuator tube Powder coated steel
 Piston rod Stainless steel
 Front and rear brackets PA

Duty cycle

Max. 10% or 2 minutes in use followed by 18 minutes rest

Color

Black (RAL 9005) is standard

Stroke length/weight

Stroke	[mm]	50	100	150	200	250	300	350	400	500	750
Weight	[kg]	2.1	2.3	2.6	2.8	3.1	3.3	3.6	3.8	4.3	5.6

Type con50 max. load limited to 2000 N for stroke lengths ≥ 500 mm. Actual weight may vary depending on model and options selected.

Options

- Stainless steel versions (AISI 304 or AISI 316)
- Front and rear brackets in aluminium or stainless steel
- Front and rear brackets with clevis
- Brackets with spherical bearings
- Hall sensors for positioning and/or synchronization
- IP68/IP69K (additional 14 mm to end-to-end dimensions)*
- Connector types (Molex 5557/DIN 8 pole/Phono/Others)

- Low Noise
- ATEX zone 22, group II 3 D approval
- Tested according to EN/UL/CSA60.601
- Eskimo version (-40°C to +70°C)
- Other cable lengths

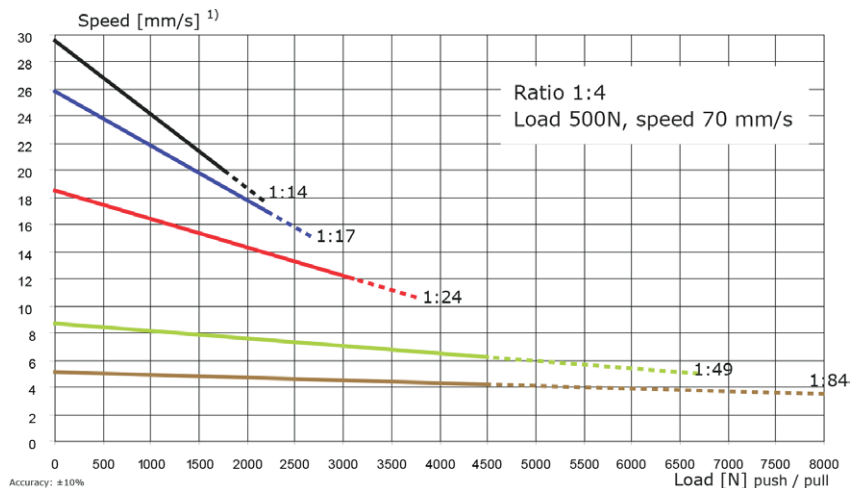
On request

- Available in all RAL colors
- Other stroke lengths available
- Customised front, rear brackets and built in measures

Contact Concens for any special requirements.

* The dust and water sealing of IP68/69K actuators might affect their performance in lower gear ratios.

Speed/force

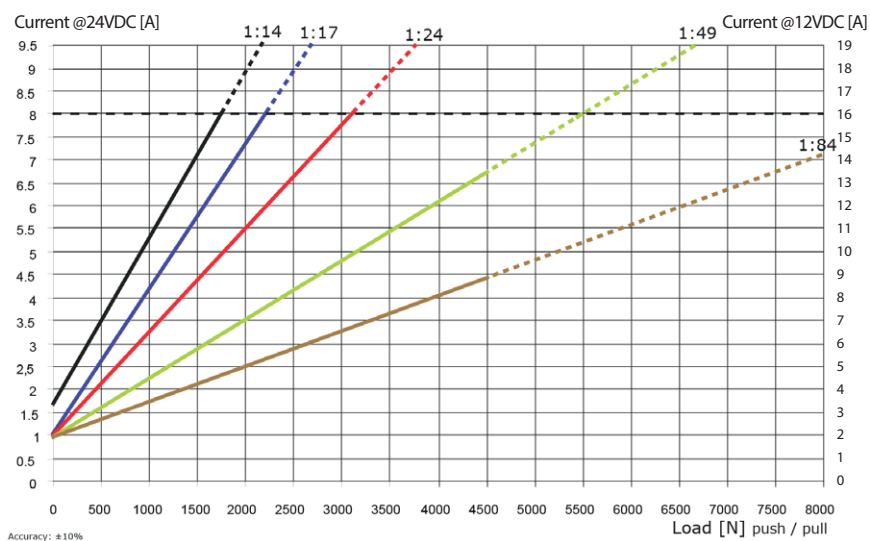


Force/current

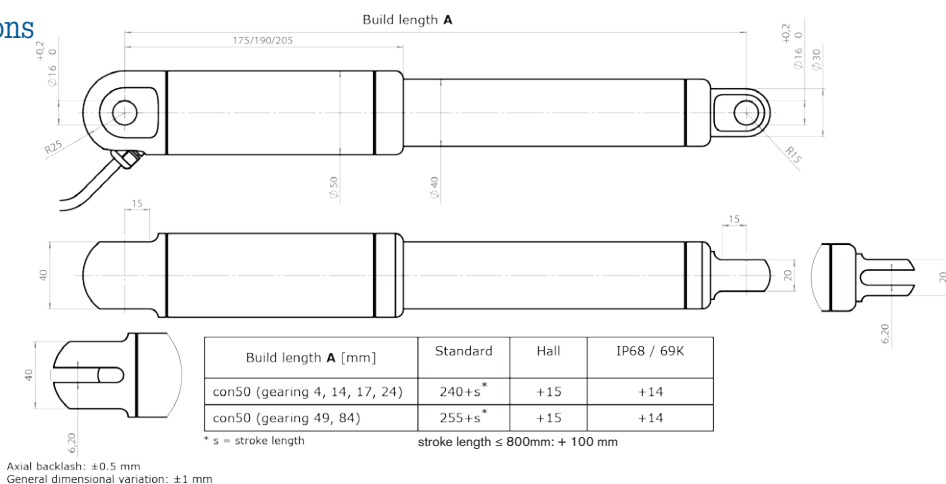
Use in the dashed area is not recommended. Please contact Concens for further information.

Max. 7A when used in connection with C3 system.

1) At ambient temperature
T=25 °C



Dimensions



Precautions

Power supply without over current-relay or other current switch-off devices can cause serious damage to the actuator at mechanical end-stop or if the actuator is overloaded in another way.

Radial forces might have an adverse effect of the performance of, or lead to damage to the actuator.