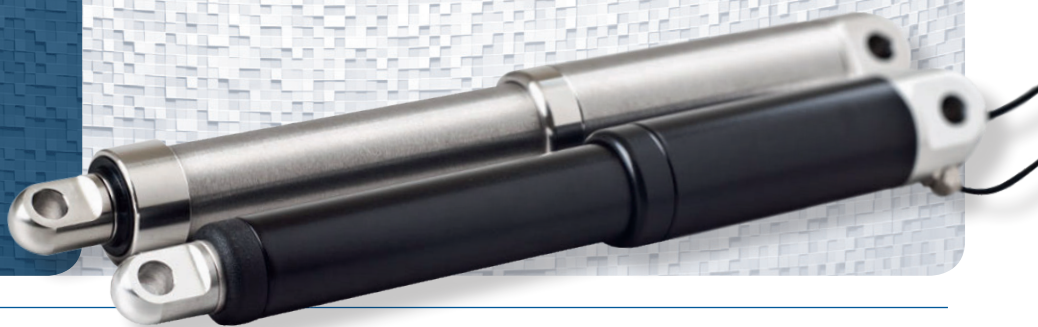


con35

Linear In-line Actuator

concens 
 - excellent electric actuators


Data

Motor/Gear

12/24 VDC power supply, permanent magnet motor

Gear ratio		5	14	19	27	51	71
Maximum load	[N]	120	400	600	900	1600	2200
Speed at maximum load	[mm/s]	33	16	12	7.5	4	3

Recommended max. current: 12 VDC = 3.6 A/24 VDC = 1.8 A

Max. Static Load*)/
Self-locking force

■ PA Brackets: 2000 N ■ Alu Brackets: 5400 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, 2x0.25mm² (AWG22), diameter ~ 4mm, black/grey

Materials

Motor and actuator tube Powder coated steel
 Piston rod Aluminium
 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]	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.6	1.8	2.3

Max. load limited to 1000 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
- Piston rod available in black (equivalent to RAL 9005)
- Hall sensors for positioning and/or synchronization
- IP68/IP69K (additional 11 mm to end-to-end dimensions, gear ratio 1:5 not available) *
- 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

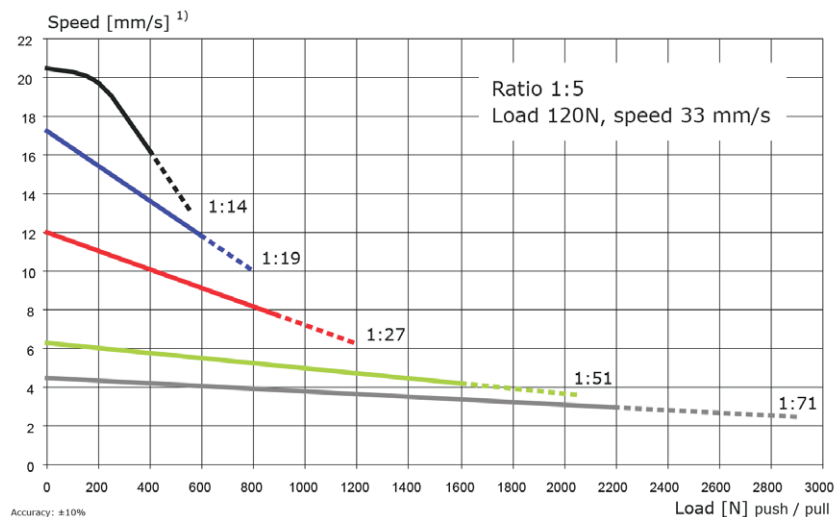
On request

- 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.

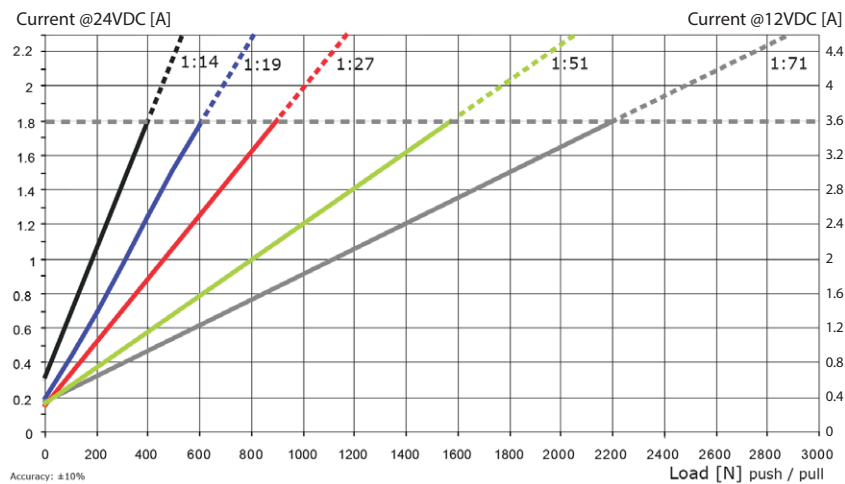
Speed/force



Force/current

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

1) At ambient temperature
T=25 °C



Dimensions

