



Data Sheet con35 Linear In-line Actuator

Version 3.2 - October 2010



con35

Data

Motor

12/24 VDC power supply, permanent magnet motor

Type (gear ratio)		con35 (5)	con35 (14)	con35 (19)	con35 (27)	con35 (51)	con35 (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

Self-locking force 17,500 N (Max.)

Temperature

Range -5°C to +70°C
Storage -40°C to +70°C

Protection class IP66

Cable specification 1m, 2×0.25mm² (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 min. rest

Colour Black (RAL 9005) is standard

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.

Options

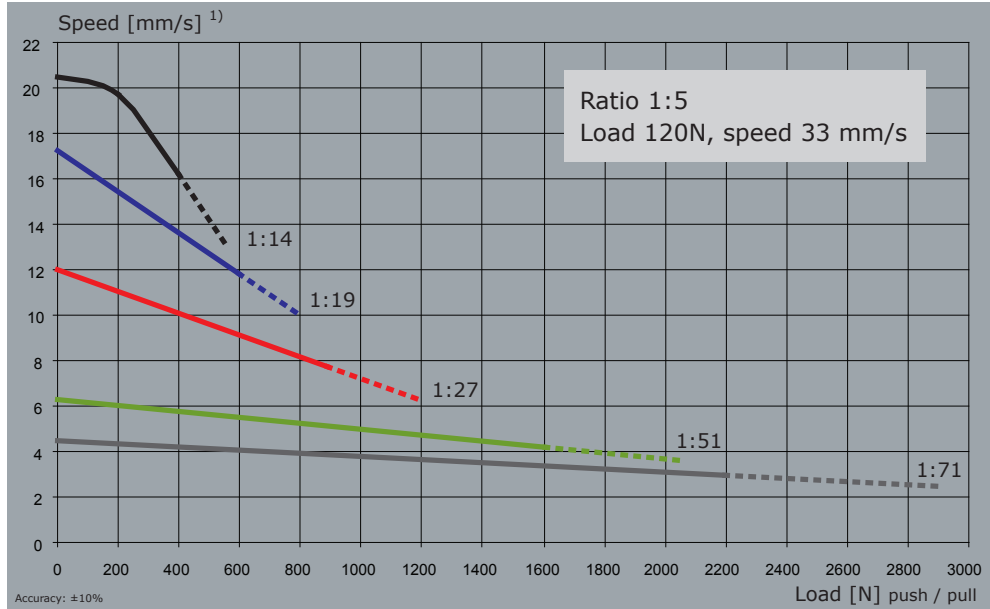
- Stainless steel versions (AISI 304 or AISI 316)
- Front and rear brackets in aluminium or stainless steel
- Front and rear brackets with slash
- Piston rod available in black (equivalent to RAL 9005)
- Hall sensors for positioning and/or synchronization
- IP68/IP69K (additional 11 mm to end-to-end dimensions, gear ratio 1:5 not available)
- Connector types (Molex 5557 / DIN 8 pole / Phono / Others)
- Low Noise
- ATEX zone 22, Class II D
- Certificate EN/UL/CSA 60.601
- Eskimo version (-40°C to +70°C)
- Other cable lengths

On request

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

Contact Concens for any special requirements.

Speed/force

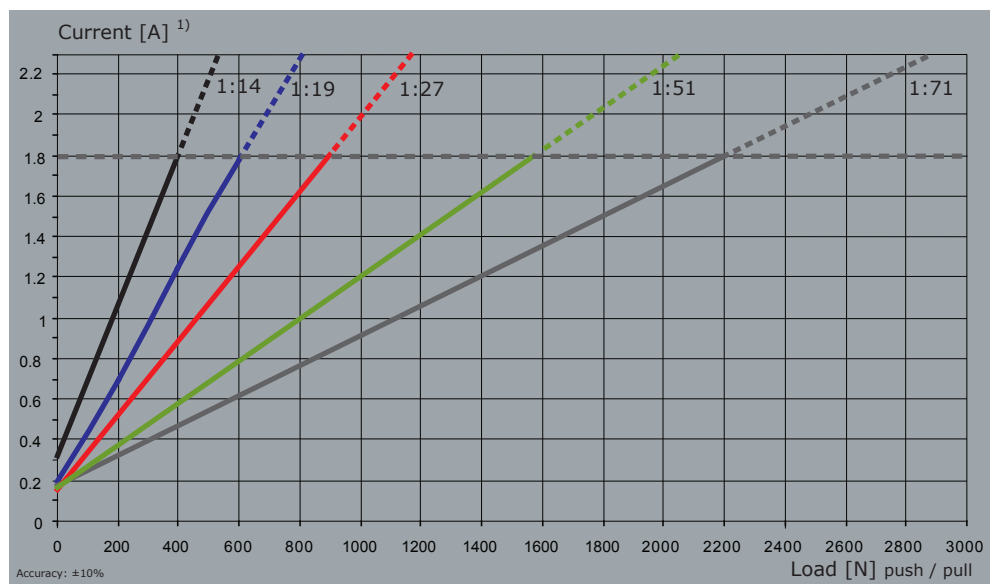


Force/current

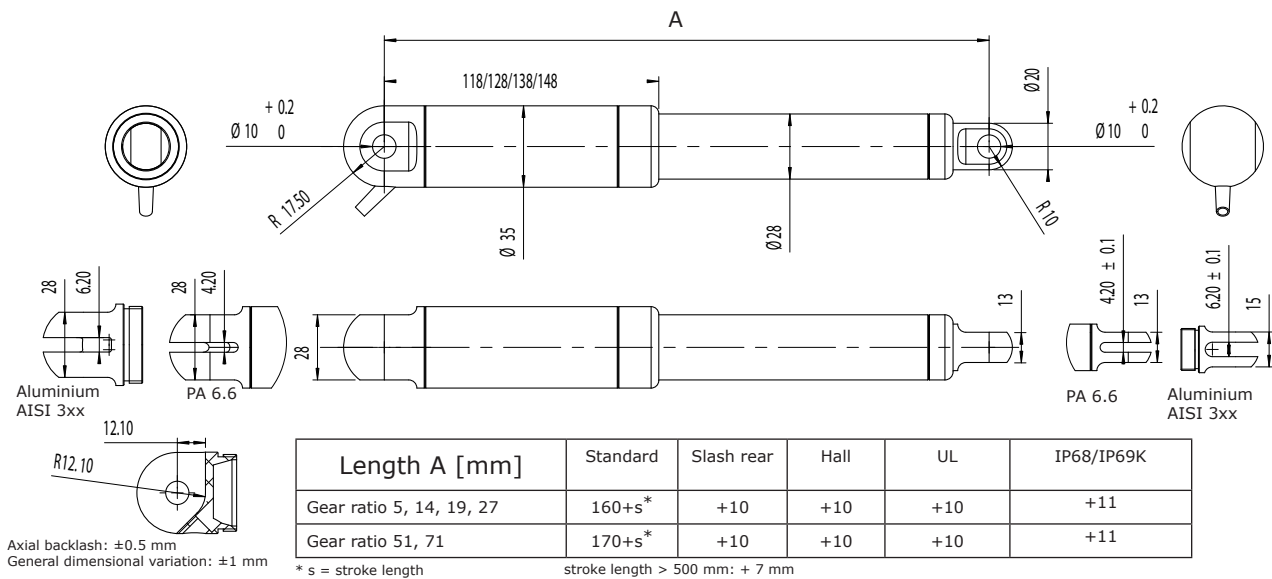
For 12 V DC power supply multiply the current values with a factor 2.

In general, applications in the dashed area are not recommended.
Please contact Concens for further information.

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.



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Specifications subject to change without prior notice.
It is the responsibility of the product user to determine the suitability of Concens A/S products for a specific application.