

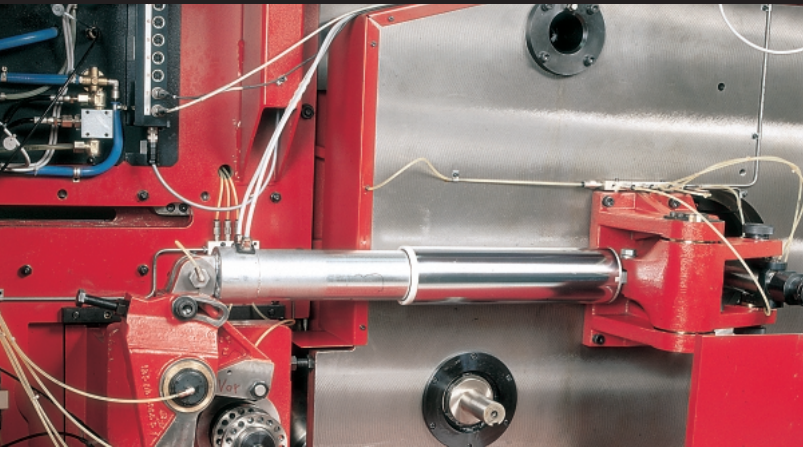
Linear actuator Herkules



*Our robust model
for heavy-duty
applications*



Linear actuators Herkules



Description · Applications · Options

The linear actuators of the Herkules series have the following outstanding features:

- Combination of high pushing/pulling forces and low space requirement
- High static load capacity
- High impact resistance
- Low maintenance lubrication system
- Protection against dirt, dust and other environmental influences
- Suitable for heavy-duty applications

Applications

- Lifting platforms
- Locking devices
- Tilting devices
- Slat adjustment
- Points switching and many other applications.

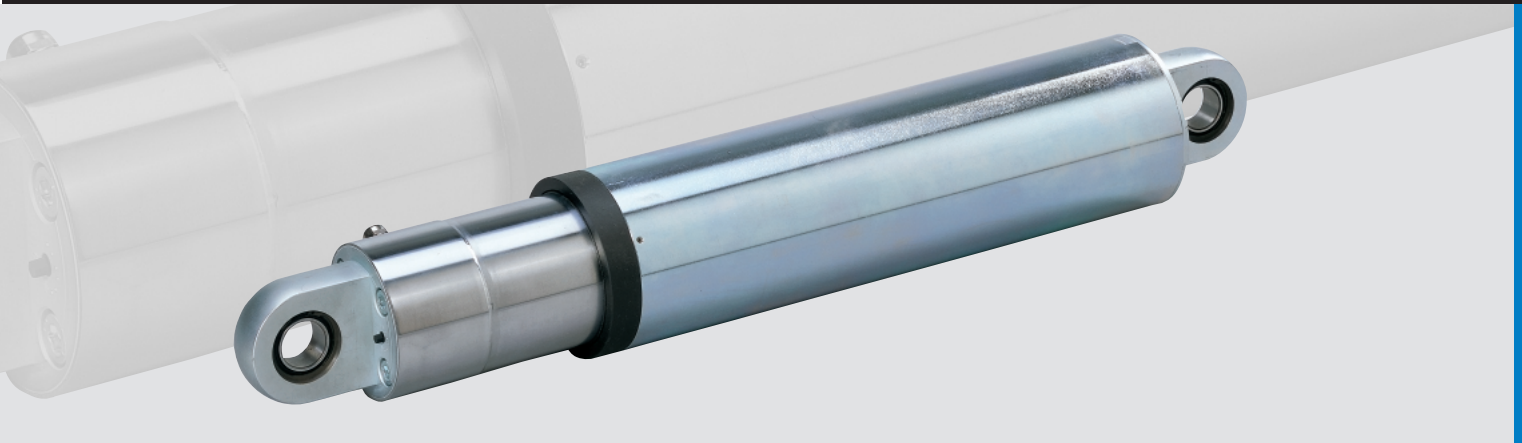
The facts

	Herkules 01	Herkules 1
Load (N)	14,000–30,000	28,000–50,000
Stroke speed (mm/s)	1–9	1–9
Stroke length (mm)	up to 275	up to 320
Operating voltage	400 V/3AC, 50 Hz	
Temperature range (°C)	–20 to +50	
Double scraper ring	at piston outlet	
Limit switch system	adjustable, with status signal	
Corrosion protection	thanks to galvanised/chromed housing parts	
Protection type	IP 54	
Cable length (m)	1.5	

Options

- Potentiometer for output of a stroke-dependent resistance value instead of limit switches
- Encoder instead of limit switches
- DIN 648 swivel eye GE 25 UK or GE 30 UK on piston and/or housing end
- Special coatings

Other stroke lengths, special voltages, circuit variants, cable types on request.



Load (N) and stroke speeds (mm/s) Herkules 01

Version	Stroke speed [mm/s]	Pushing/pulling force F [N]	Number of add. planetary gear stages	Nominal current I [A]	cos φ
A	9	14,000	–	2	0.8
B	6	20,000	–	2	0.8
C	2.5	30,000	1	1.8	0.7
D	1.5	30,000	1	1.5	0.7
E	1	30,000	1	1.5	0.6

Load (N) and stroke speeds (mm/s) Herkules 1

Version	Stroke speed [mm/s]	Pushing/pulling force F [N]	Number of add. planetary gear stages	Nominal current I [A]	cos φ
A	9	28,000	–	5	0.8
B	6	45,000	–	5	0.8
C	2.5	50,000	1	4	0.7
D	1.5	50,000	1	3	0.7
E	1	50,000	1	3	0.5

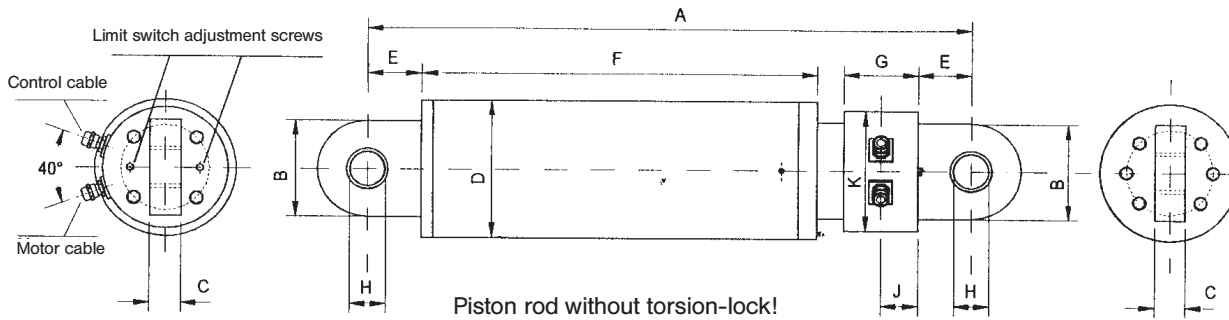
Note:

All technical data represent average values and are based on an ambient temperature of 20 °C.

Admissible rating: S3 - 15%

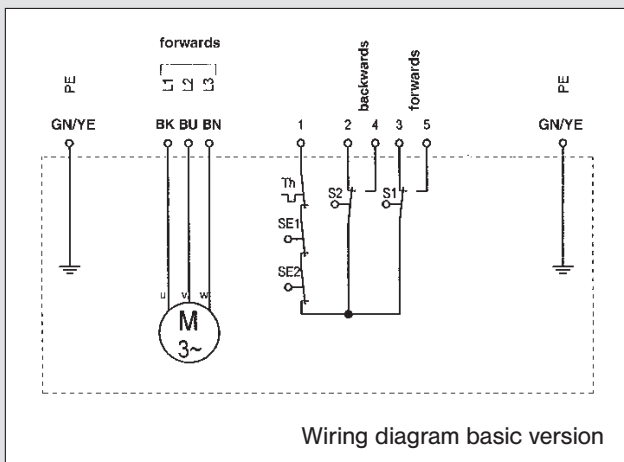
Herkules 01
Herkules 1

Technical data and dimensions



Version	Max. stroke length	A		B	C	D	E	F	G	H*	J	K
		min.	max.									
Herkules 01	275	590	865	60	25	100	35	412	60	25	42	88
Herkules 1	320	640	960	80	30	120	46	450	65	30	44	102

* DU bushing; alternatively with swivel eye GE 25 UK or GE 30 UK



- Th = Thermal protection contact
- SE = Safety limit switch
- S1 = Limit switch
Piston rod out
- S2 = Limit switch
Piston rod in

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