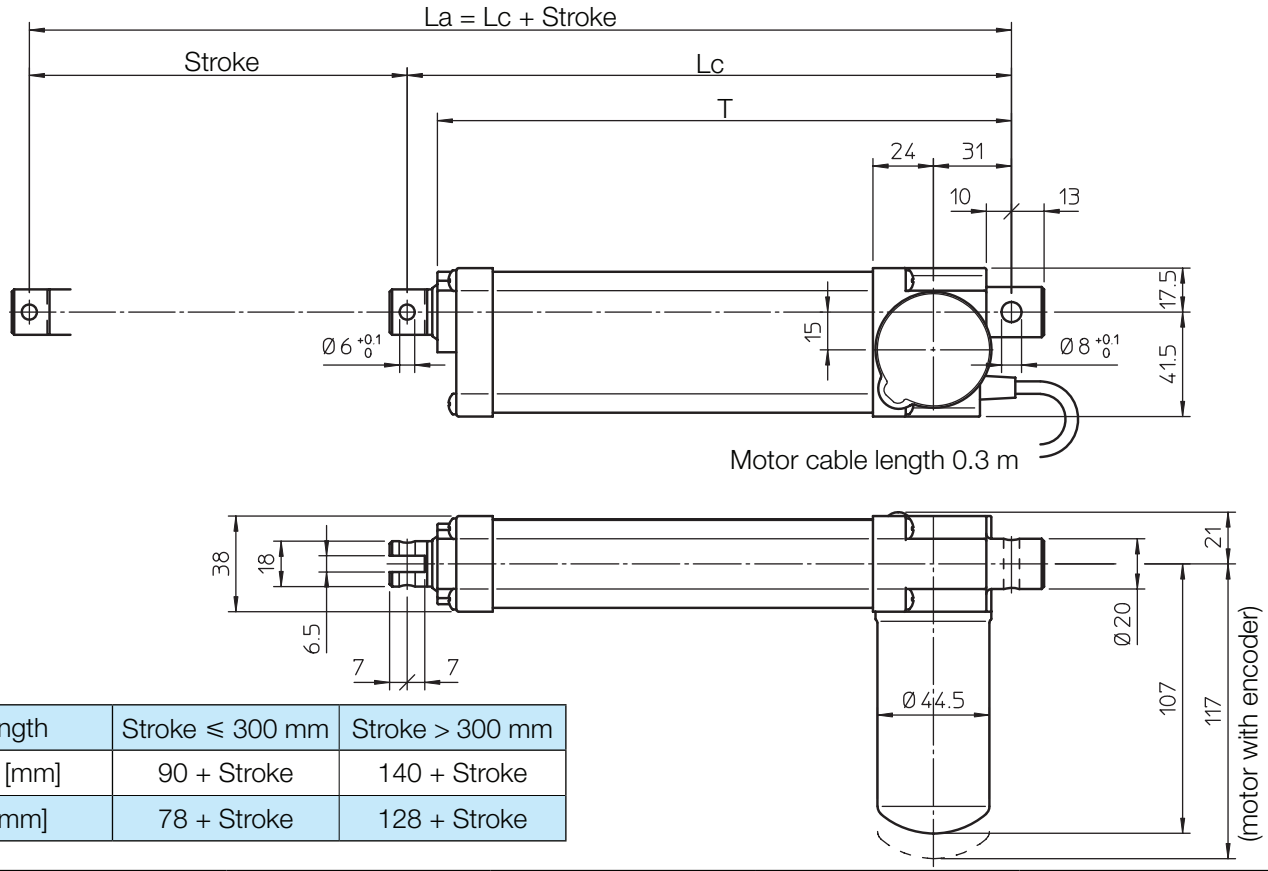
OVERALL DIMENSIONS



Length	Stroke ⩽ 300 mm	Stroke > 300 mm
Lc [mm]	90 + Stroke	140 + Stroke
T [mm]	78 + Stroke	128 + Stroke

STROKE CODE	**STROKE** [mm]	**LENGTH**		**MASS** [kg]
		Lc [mm]	**La** [mm]	
C50	50	140	190	0.85
C100	100	190	290	1.10
C150	150	240	390	1.25
C200	200	290	490	1.40
C250	250	340	590	1.55
C300	300	390	690	1.70

PERFORMANCES AND FEATURES

- Pull-Push load up to 1 300 N
- Linear speed up to 52 mm/s
- Standard stroke lengths:
  50, 100, 150, 200, 250, 300 mm
  (min. stroke limited by FC switches: 50 mm)
  (for different / longer stroke lengths please contact us)
- Aluminium housing and rear attachment
- Anodized aluminium push rod – tolerance f8
- Aluminium front attachment
- 12, 24 or 36 V DC motor with electromagnetic noise suppressor (motor features details on page 69)
- Duty cycle with max load:
  15% over 10 min at (-10 ... +40) °C
- Standard motor mounting position as per dimensional drawing (right-hand, code RH)
- Standard protection IP65
  - Test IP6X according to EN 60529 §12 §13.4-13.6
  - Test IPX5 according to EN 60529 §14.2.5
  (tests made with not running actuator)
- Long-life lubrication, maintenance free

ACCESSORIES

- Stainless steel push rod (code SS)
- Two adjustable built-in stroke end switches (code FC2)
- Two adjustable built-in stroke end switches, switching off the motor (code FC2X)
- Extra switch for intermediate position (code FC)
- 2-channels incremental encoder on motor shaft
  1 ppr (code GI 21)
  4 ppr (code GI 24)
  (wiring diagrams on page 75)

Number of pulses for 100 mm stroke	Ratio			
	RN2	RN1	RL2	RL1
GI 21	192	383	483	967
GI 24	767	1 533	1 933	3 867

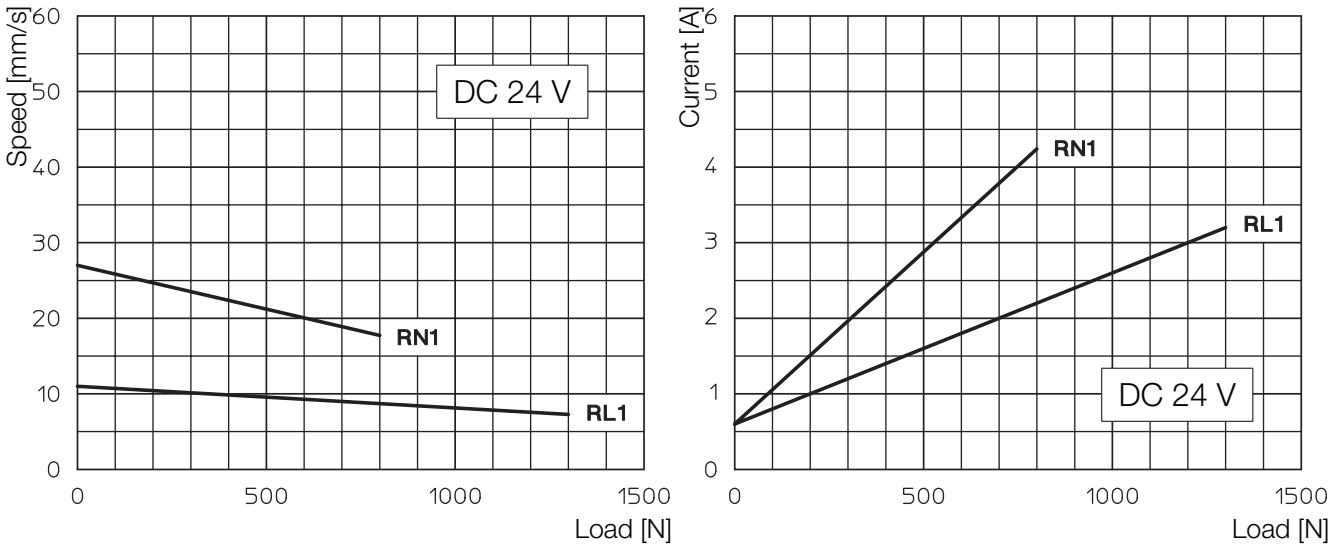
OPTIONS

- Motor mounting position on opposite side (left-hand, code LH)
- Fixing attachment turned at 90° (code RPT 90)

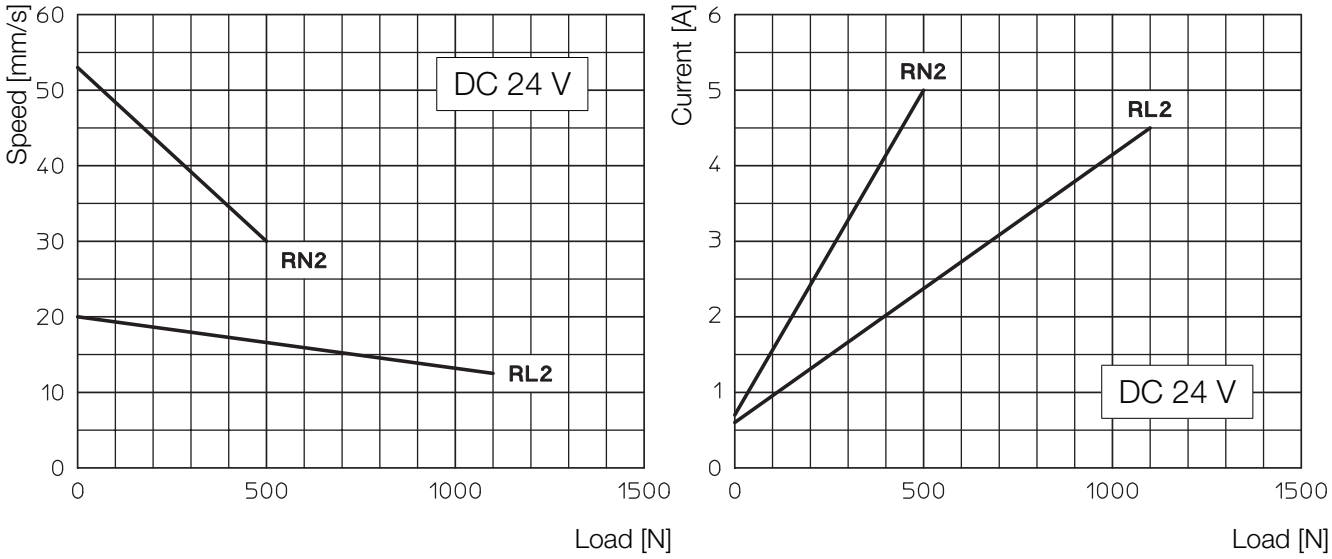
PERFORMANCES with 24 V DC motor

(Performances with 12 V DC motor: same load, linear speed 10 % less, electrical consumption 2 times more)

1-start acme screw Tr 12×3



2-starts acme screw Tr 12×6 (P3)



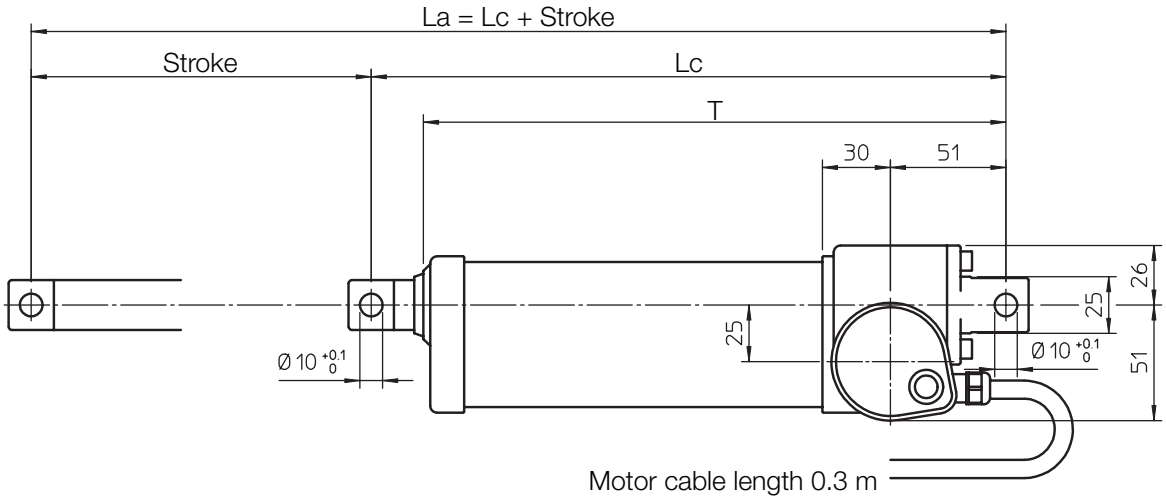
Self-locking conditions

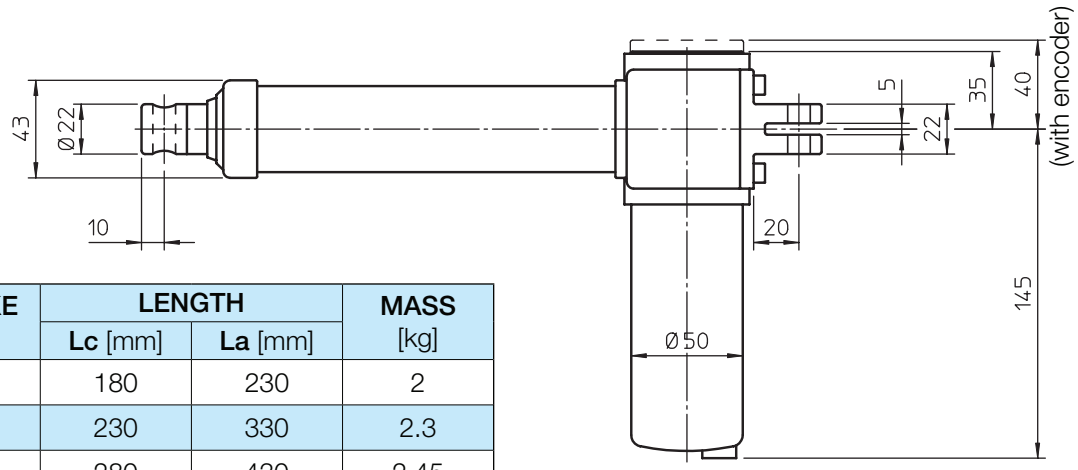
Information about statically self-locking conditions with pull or push load on page 68.

ORDERING CODE EXAMPLE

LMR 01	RL1	C200	CC 24 V	FC2					
Actuator	Selected ratio	Required stroke	Motor	Stroke end switches	Accessories			Options	

OVERALL DIMENSIONS





STROKE CODE	STROKE [mm]	LENGTH		MASS [kg]
		Lc [mm]	**La** [mm]	
C50	50	180	230	2
C100	100	230	330	2.3
C150	150	280	430	2.45
C200	200	330	530	2.6
C250	250	380	630	2.75
C300	300	430	730	2.9
C400	400	580	980	3.2

Length	Stroke ⩽ 300 mm	Stroke > 300 mm
Lc [mm]	130 + Stroke	180 + Stroke
T [mm]	107 + Stroke	157 + Stroke

PERFORMANCES AND FEATURES

- Pull-Push load up to 3 000 N
- Linear speed up to 41 mm/s
- Standard stroke lengths:
  50, 100, 150, 200, 250, 300, 400 mm
  (min. stroke limited by FC switches: 50 mm)
  (for different / longer stroke lengths please contact us)
- Aluminium housing and rear attachment
- Chrome-plated steel push rod
- Stainless steel AISI 303 front attachment
- 12, 24 or 36 V DC motor with electromagnetic noise suppressor (motor features details on page 69)
- Duty cycle with max. load:
  15% over 10 min at (-10 ... +40) °C
- Standard motor mounting position as per dimensional drawing (right-hand, code RH)
- Standard protection IP65
  - Test IP6X according to EN 60529 §12 §13.4-13.6
  - Test IPX5 according to EN 60529 §14.2.5
  (tests made with not running actuator)
- Long-life lubrication, maintenance free

ACCESSORIES

- Stainless steel push rod (code SS)
- Two adjustable built-in stroke end switches (code FC2)
- Two adjustable built-in stroke end switches, switching off the motor (code FC2X)
- Extra switch for intermediate position (code FC))
- 2-channels incremental encoder on motor shaft:
  1 ppr (code GI 21)
  4 ppr (code GI 24)
  (wiring diagrams on page 75)

Number of pulses for 100 mm stroke	Ratio			
	RN2	RN1	RL2	RL1
GI 21	246	492	775	1550
GI 24	984	1968	3100	6200

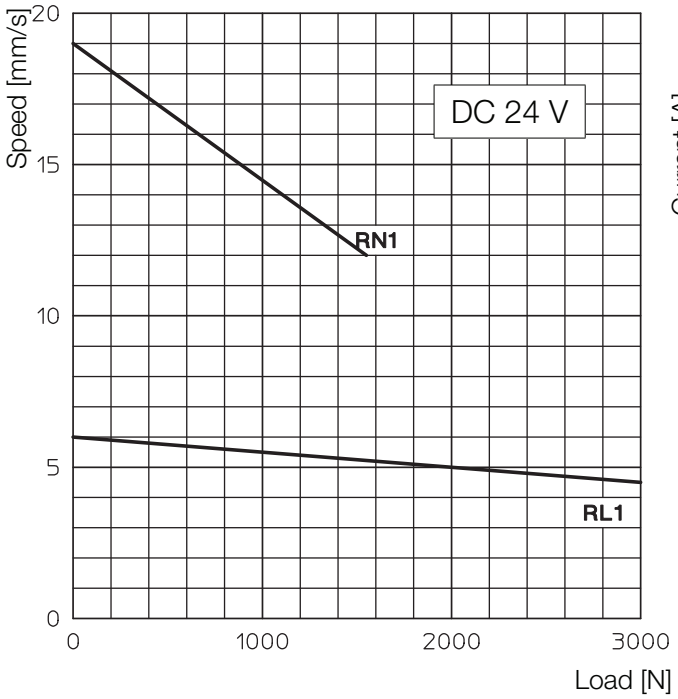
OPTIONS

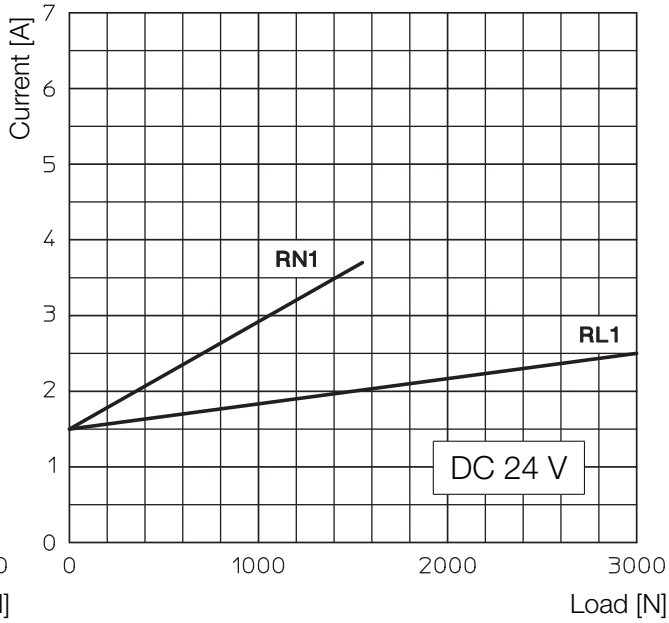
- Motor mounting position on opposite side (left-hand, code LH)
- Fixing attachment turned at 90° (code RPT 90)

PERFORMANCES with 24 V DC motor

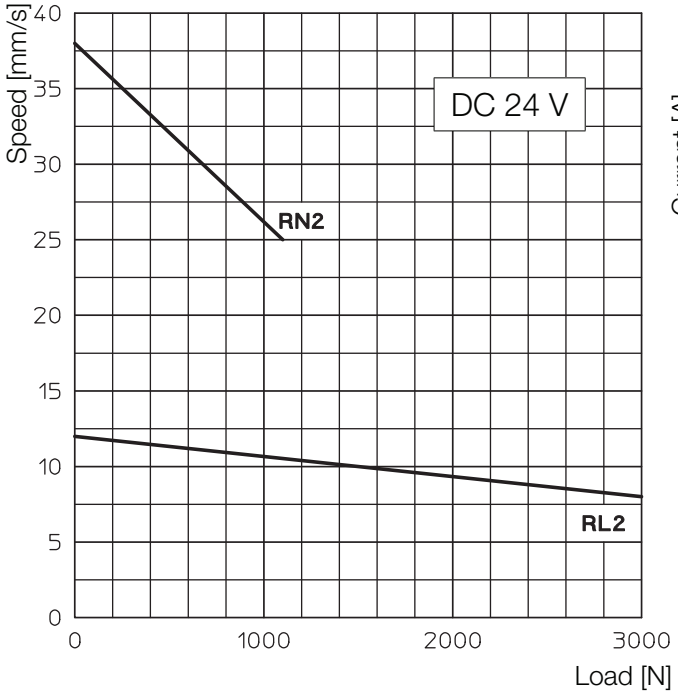
(Performances with 12 V DC motor: same load, linear speed 10 % less, electrical consumption 2 times more)

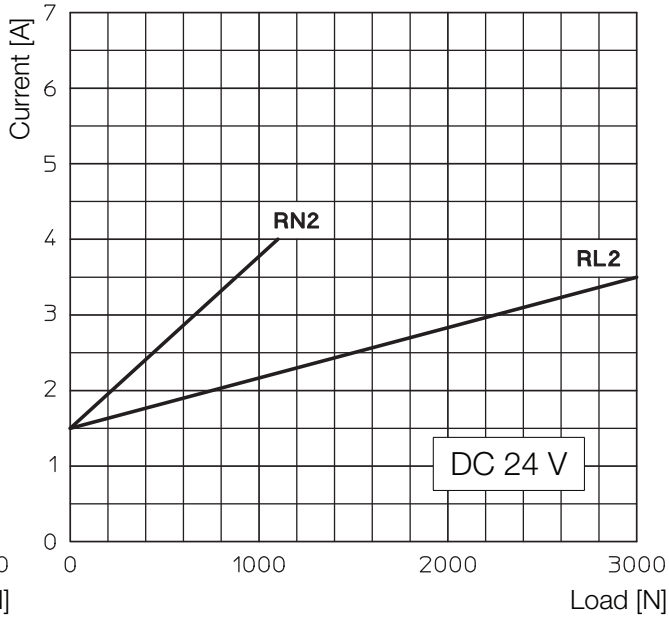
1-start acme screw Tr 14×4





2-starts acme screw Tr 14×8 (P4)





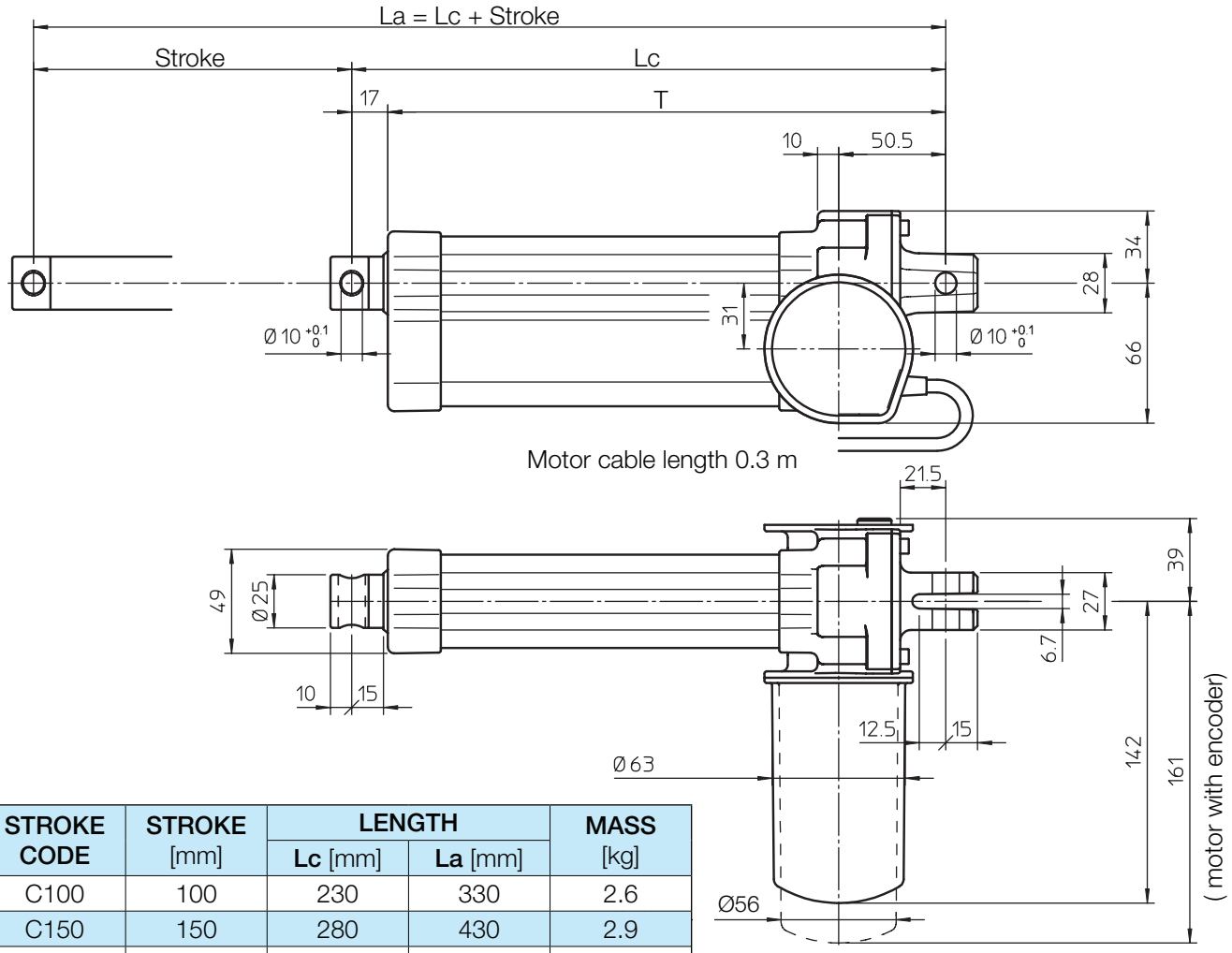
Self-locking conditions

Information about statically self-locking conditions with pull or push load on page 68.

ORDERING CODE EXAMPLE

LMR 02	RL1	C200	CC 24 V	FC2					
Actuator	Selected ratio	Required stroke	Motor	Stroke end switches	Accessories			Options	

OVERALL DIMENSIONS



STROKE CODE	STROKE [mm]	LENGTH		MASS [kg]
		Lc [mm]	**La** [mm]	
C100	100	230	330	2.6
C150	150	280	430	2.9
C200	200	330	530	3.2
C250	250	380	630	3.5
C300	300	430	730	3.8
C400	400	580	980	4.7
C500	500	680	1180	5.3

Length	Stroke ⩽ 300 mm	Stroke > 300 mm
Lc [mm]	130 + Stroke	180 + Stroke
T [mm]	113 + Stroke	163 + Stroke

PERFORMANCES AND FEATURES

- Pull-Push load up to 6 000 N
- Linear speed up to 25 mm/s
- Standard stroke lengths:
  100, 150, 200, 250, 300, 400, 500 mm
  (min. stroke limited by FC switches: 50 mm)
  (for different / longer stroke lengths please contact us)
- Aluminium housing and rear attachment
- Chrome-plated steel push rod – tolerance f7
- Stainless steel AISI 303 front attachment
- 12, 24 or 36 V DC motor with electromagnetic noise suppressor (motor features details on page 69)
- Duty cycle with max. load:
  15% over 10 min at (-10 ... +40) °C
- Standard motor mounting position as per dimensional drawing (right-hand, code RH)
- Standard protection IP65
  - Test IP6X according to EN 60529 §12 §13.4-13.6
  - Test IPX5 according to EN 60529 §14.2.5
  (tests made with not running actuator)
- Long-life lubrication, maintenance free

ACCESSORIES

- Stainless steel push rod (code SS)
- Two adjustable built-in stroke end switches (code FC2)
- Two adjustable built-in stroke end switches, switching off the motor (code FC2X)
- Extra switch for intermediate position (code FC)
- 2-channels incremental encoder on motor shaft
  1 ppr (code GI 21)
  4 ppr (code GI 24)
  (wiring diagrams on page 75)

Number of pulses for 100 mm stroke	Ratio			
	RN2	RN1	RL2	RL1
GI 21	325	650	862	1 725
GI 24	1 300	2 600	3 450	6 900

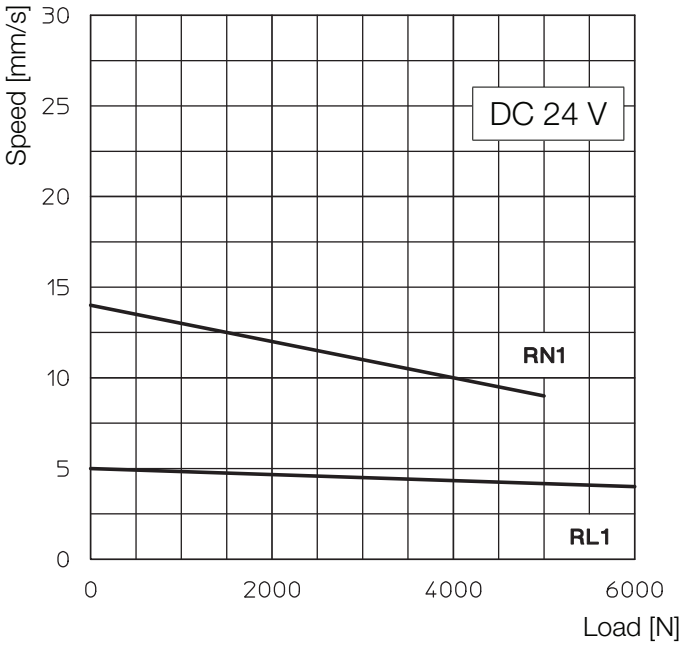
OPTIONS

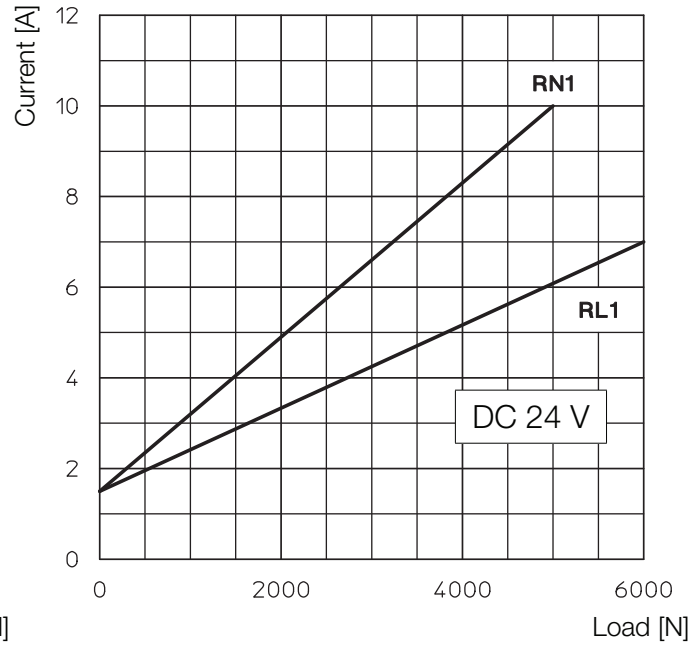
- Motor mounting position on opposite side (left-hand, code LH)
- Fixing attachment turned at 90° (code RPT 90)

PERFORMANCES with 24 V DC motor

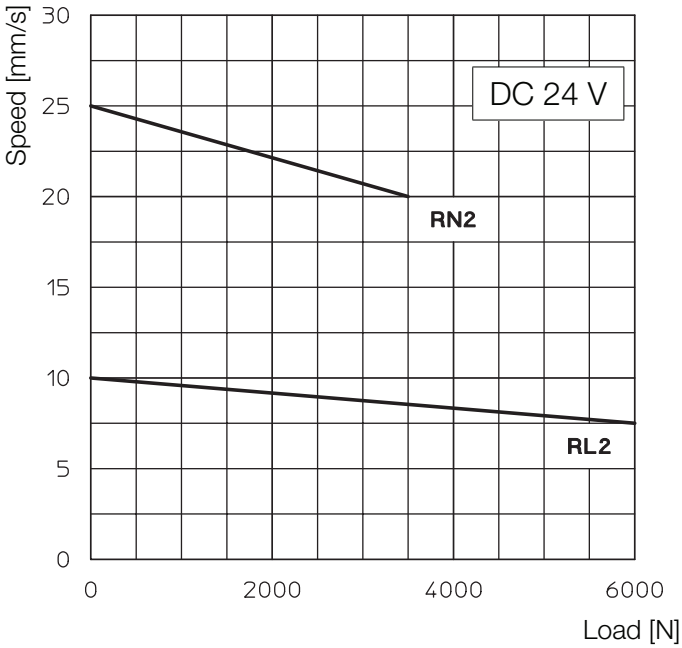
(Performances with 12 V DC motor: same load, linear speed 10 % less, electrical consumption 2 times more)

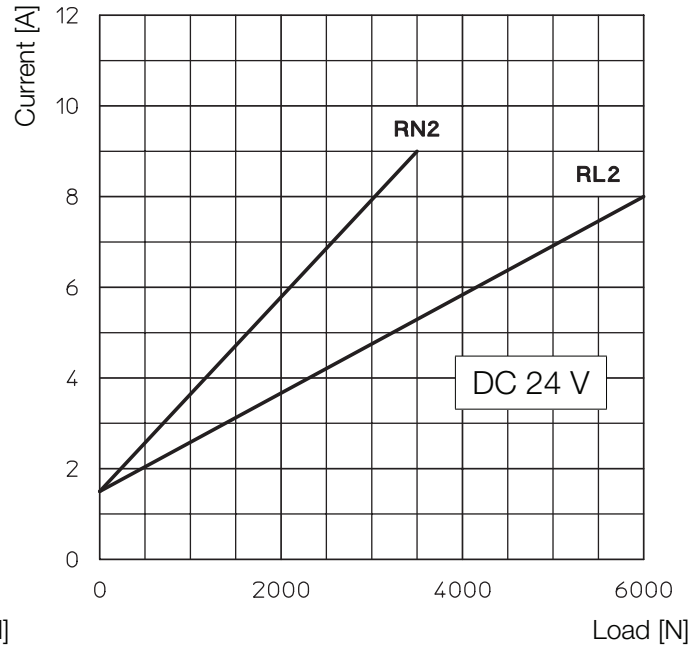
1-start acme screw Tr 16×4





2-starts acme screw Tr 16×8 (P4)





Self-locking conditions

Information about statically self-locking conditions with pull or push load on page 68.

ORDERING CODE EXAMPLE

LMR 03	RL1	C200	CC 24 V	FC2					
Actuator	Selected ratio	Required stroke	Motor	Stroke end switches	Accessories			Options	