

Nomenclature

LL06

LL 06 A 0 - 000 M1 X0 X0

Family name

LEGS Linear

Stall force

06 = 6 N

Motor type

A = Standard

Version

0

Drive rod (standard length)^a

030 = 30 mm 060 = 60 mm
040 = 40 mm 101 = 100.8 mm
050 = 50 mm

Mechanical adapter

M1 = One adapter – front

Guides

G0 = Without guides
G1 = With guides

Encoder^b – only available with guides

E0 = Without encoder
E1 = 1.25 µm incremental optical encoder with index
E2 = 80 nm incremental optical encoder with index

a. Other lengths are made on request at an extra charge (between 30 and 100.8 mm)

b. Encoder not available with 30 mm drive rod

LT20

LT 20 20 X - 000 X0 X00

Family name

LEGS Linear Twin

Stall force

20 = 20 N

Version

20 = M1.6 screw mount

Motor type

A = SS/Standard
C = NM/Non-magnetic
D = NMV/Non-magnetic vacuum

Drive rod (standard length)^a

030 = 30 mm 060 = 60 mm
040 = 40 mm 070 = 70 mm
050 = 50 mm 101 = 100.8 mm

Mechanical adapter

A0 = No adapter
D1 = One adapter – front
D2 = One adapter – back
E1 = Two adapters – front and back^b

Connector/cable

A00 = 2 x JST connector, no cable (motor type A and C)
B10 = 1.0 m Teflon flying wires PTFE AWG28 (motor type D)

a. Other lengths are made on request at an extra charge (between 30 and 100.8 mm)

b. Extra charge for two adapters

LT40

LT 40 00 X - 000 X0 X00

Family name

LEGS Linear Twin

Stall force

40 = 40 N

Version

40 = M3 screw mount

50 = M2 screw mount

Motor type

A = SS/Standard

C = NM/Non-magnetic

D = NMV/Non-magnetic vacuum

Drive rod (standard length)^a

040 = 40 mm 060 = 60 mm

050 = 50 mm 101 = 100.8 mm

Mechanical adapter

A0 = No adapter

D1 = One adapter – front

D2 = One adapter – back

E1 = Two adapters – front and back^b

Connector/cable

A00 = JST connector, no cable (motor type A and C)

B10 = 1.0 m Teflon flying wires PTFE AWG28 (motor type D)

a. Other lengths are made on request at an extra charge (between 30 and 100.8 mm)

b. Extra charge for two adapters

LTC40/300/450

LTC 00(0) - 00 X 00 (E1) X00

Family name

LEGS Linear Twin Cover

Stall force

40 = 40 N

300 = 300 N

450 = 450 N

Stroke length

13 = 13 mm

20 = 20 mm

Motor type

A = SS/Standard

B = SSV/Stainless steel vacuum (not for 40 N)

Version

11 = LTC300/LTC450

22 = Shaft with round tip (LTC40)

23 = Shaft with threaded hole M2.5 (LTC40)

Encoder (only for LTC40)

E1 = Encoder (not released product)

Connector/cable

B10 = 1.0 m Teflon flying wires PTFE AWG28 with JST connector (included in motor type B)

E04/E14 = 0.4 or 1.4 m cable connector for PMD301 (JST 5P)

F04/F14 = 0.4 or 1.4 m cable connector for PMD401

G04/G14 = 0.4 or 1.4 m cable connector for DMC-30019 Galil

H04/H14 = 0.4 or 1.4 m cable connector for PMD206 (discontinued product)

LTC40 without encoder and cable E04 or E14 will also connect to PMD301, PMD401 and DMC-30019 (Galil).

LR17

LR 17 - 030 A 21 E1 A00

Family name

LEGS Rotary

Diameter

17 = 17 mm

Stall torque

030 = 30 mNm

Motor type

A = SS/Standard

Version

21

Encoder

E1 = Magnetic 15-bit SSI encoder

Connector/cable

A00 = Connector, no cable

LR23

LR 23 - 000 X 0X X0 X00

Family name

LEGS Rotary

Diameter

23 = 23 mm

Stall torque

050 = 50 mNm (only for motor type C & D)

080 = 80 mNm (only for motor type A)

Motor type

A = SS/Standard

C = NM/Non-magnetic

D = NMV/Non-magnetic vacuum

Version

1A = Standard shaft

2A = Extended shaft (mandatory for E1)

Encoder

E0 = No encoder (mandatory for motor type D)

E1 = Encoder (extended shaft mandatory)

Connector/cable

A00 = No cable (not an option for motors with encoder)

B10 = 1.0 m Teflon flying wires PTFE AWG28
(attached in motor type D)

E05/E15 = 0.5 or 1.5 m cable connector for PMD301^a

F05/F15 = 0.5 or 1.5 m cable connector for PMD401^a

G05/G15 = 0.5 or 1.5 m cable connector for DMC-30019 Galil^a

a. Mandatory for motors with encoder, E1

Phased-out products - not for new design

LL10

LL 10 11 X - 000 X0 X00

Family name

LEGS Linear

Stall force

10 = 10 N

Version

11

Motor type

A = Standard

C = NM/Non-magnetic

D = NMV/Non-magnetic vacuum

Drive rod (standard length)^a

030 = 30 mm 060 = 60 mm

040 = 40 mm 070 = 70 mm

050 = 50 mm 101 = 100.8 mm

Mechanical adapter

A0 = No adapter

D1 = One adapter – front

Connector/cable

A00 = JST connector, no cable (motor type A)

B10 = 1.0 m Teflon flying wires PTFE AWG28 (motor type D)

LR50/80

LR 00 12 X - 00 X00

Family name

LEGS Rotary

Stall torque

50 = 50 mNm (only for motor type D)

80 = 80 mNm (only for motor type A & B)

Version

12

Motor type

A = SS/Standard

B = SSV/Stainless steel vacuum

D = NMV/Non-magnetic vacuum

Encoder

00 = No encoder

Connector/cable

A00 = JST connector, no cable (motor type A)

B10 = 1.0 m Teflon flying wires PTFE AWG28 (motor type B and D)