

# 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)<sup>a</sup>**

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

**Mechanical adapter**

M1 = One adapter – front

**Guides**

G0 = Without guides  
G1 = With guides

**Encoder<sup>b</sup> – 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)<sup>a</sup>**

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<sup>b</sup>

**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)<sup>a</sup>**

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<sup>b</sup>

**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<sup>a</sup>

F05/F15 = 0.5 or 1.5 m cable connector for PMD401<sup>a</sup>

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

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)<sup>a</sup>**

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)