

LRA Linear Rotary Actuator

LYNX SERIES ACTUATORS

Linear Rotary



LYNX SERIES

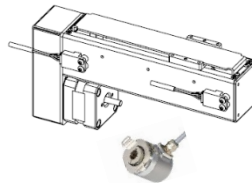
LINEAR ACTUATORS

Feature/Benefit

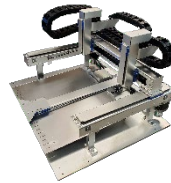
- Compact design combining linear and rotary motion in a single package.
- Lead screw drive for reliable and quiet operation.
- EASY-2-Mount Motor adapter system for mounting Modusystems motor solutions.
- Linear ball recirculation system provides smooth and quiet motion combined with adequate moment load capacities.
- Single Part number solution provides easy to select pre-engineered, pre-assembled Linear motion solution.
- LRA design allows for easy adaptation into pipetting and titration application that both linear and rotary motion.
- Let us select a Modusystems Pre-engineered motor and control solution for your next Screw Drive

Other LYNX Series Actuators

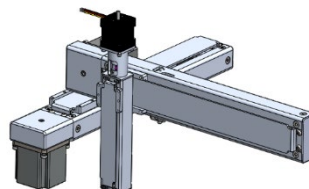
LSA/BSA with Optical Encoder Option: Screw Drive actuators are available with multi-turn 16-bit absolute encoder with energy harvesting...no battery back-up required.



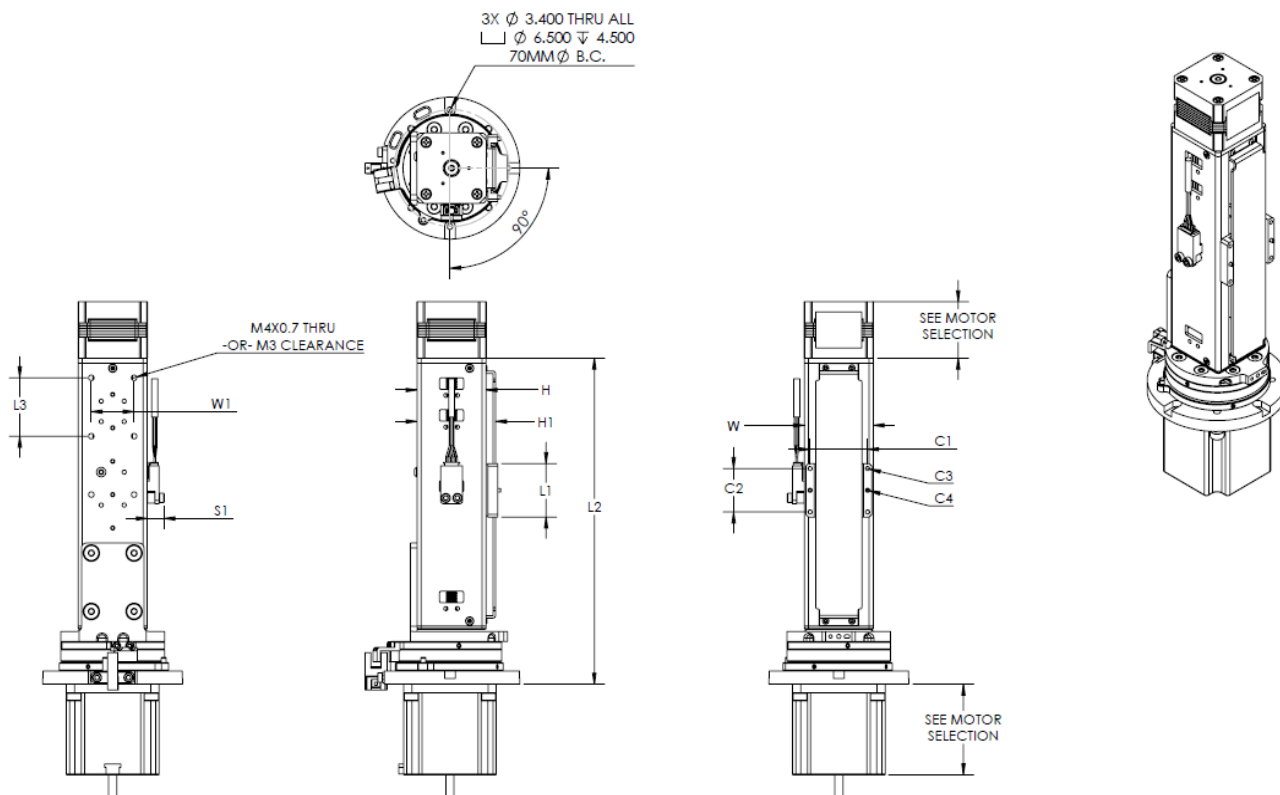
LSA/BSA as a Z-axis: The LSA can be selected with the parallel mount which allows for a more compact design and an easier pathway for cables.



LSA/BSA with Inline motor Mount: The actuator is a nice addition to any multi-axis configuration. The Z-axis shown is the LSA-Lead Screw actuator with Inline motor.



LRA-LS/BS Screw Drive Actuator



Actuator Type	W	H	H1	L1	L2	L3	W1	C1	C2	C3	C4	S1	Dyn Load Capacity N	Dyn Moment Load Cap. Nm MR	Dyn Moment Load Cap. Nm MP	Dyn Moment Load Cap. Nm MY
LRA42	42	42	47.75	32	Travel + 95mm	35	26	35	26	M3x0.5	2 x 2mm pin hole	10	50	11.7	6.4	6.4

Product Family

LRA-LS

Product Size

42

Travel Length

100

Lead

LS01

Motor Orientation

MI

Motor

N172EPLG

Limits

L2

Cable Track

T0

Custom

000

LRA-LS (Lead Screw)

LRA-BS (Ball Screw)

Min 50 mm
Maximum 500 mm

MI – Motor Inline
MP- Motor Parallel

N172PLG - NEMA 172 (Open Loop)
N172EPLG - NEMA 172 1024 Incremental encoder
N172AEPLG - NEMA 172 Absolute Batteryless encoder
MNT - Customer Supplied Motor

T0 – None

None - Standard
000- Custom

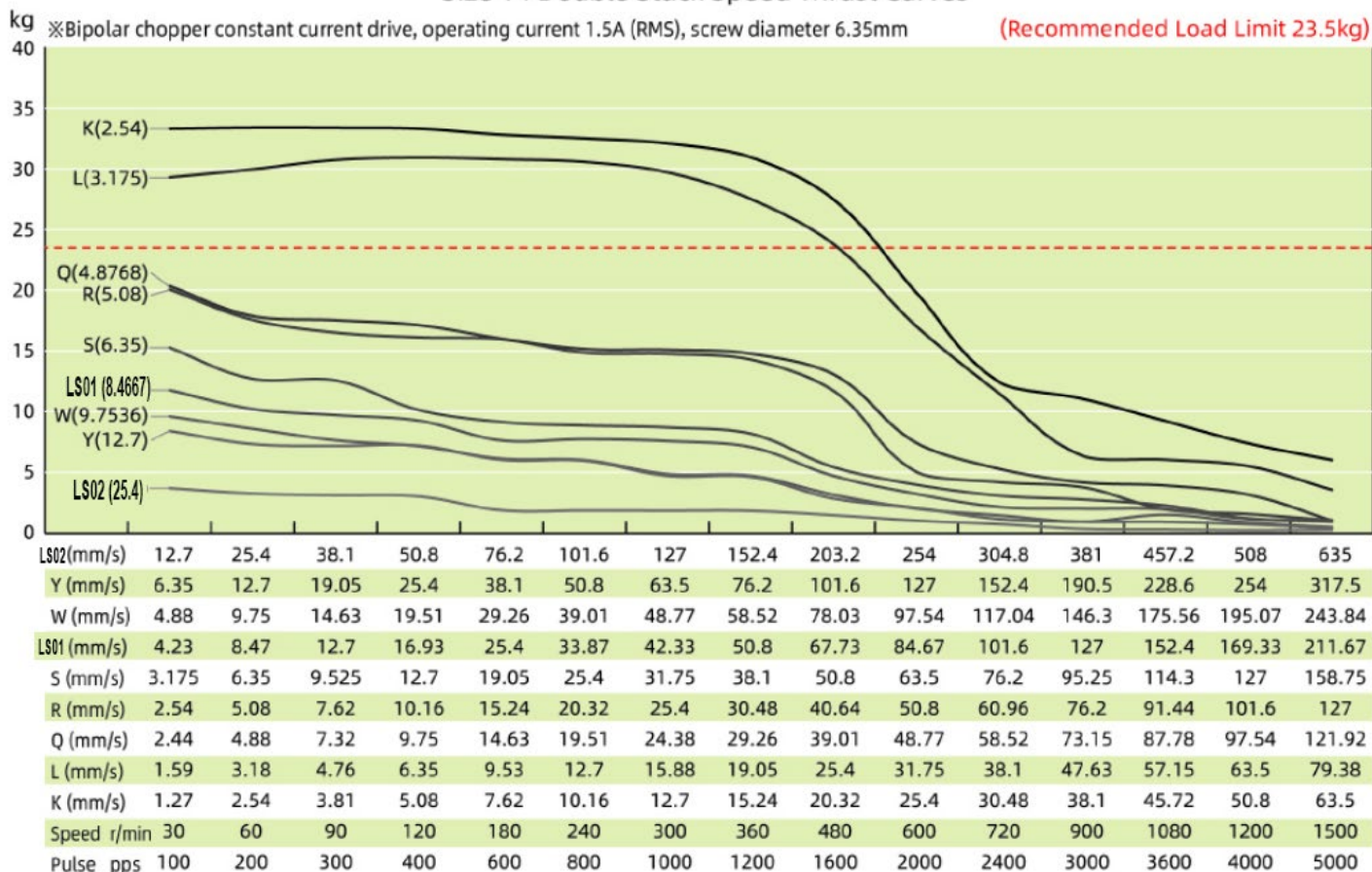
L0 – No Limits
L1 - 1 PNP, NC
L2 - 2 PNP, NC
L3 - 1 NPN, NO
L4 - 2 NPN, NO

LS01 - 0.250 in x .333 in
LS02 - 0.250 in x 1.00 in
BS01 - 6mm x 2 mm
BS02 - 6mm x 8mm

LRA-LS/BS Linear Rotary Actuator

LSA-Lead Screw Actuators

Size 14 Double Stack Speed Thrust Curves



BSA-Ball Screw Actuators

Size 14 Double Stack Speed Thrust Curves

