

8

7

6

Technical Data				
		Value		Unit
Repeatability		±0.02		mm
Backlash		0.1		
Ball Screw Shaft Diameter		12		
Ball Screw Lead		12	6	
Rated Speed*		600	300	mm/s
Maximum Speed	50 - 300 Stroke	1000	500	
	350 - 550 Stroke	800	400	
	600 Stroke	680	340	
	700 Stroke*	500	250	
Rated Thrust		134	267	N
Maximum Thrust		398	796	
Maximum Acceleration		0.3		G
Horizontal Mass Capacity		16	30	kg
Vertical Mass Capacity		5	10	

C

* Rated speed for 700mm stroke is maximum speed values

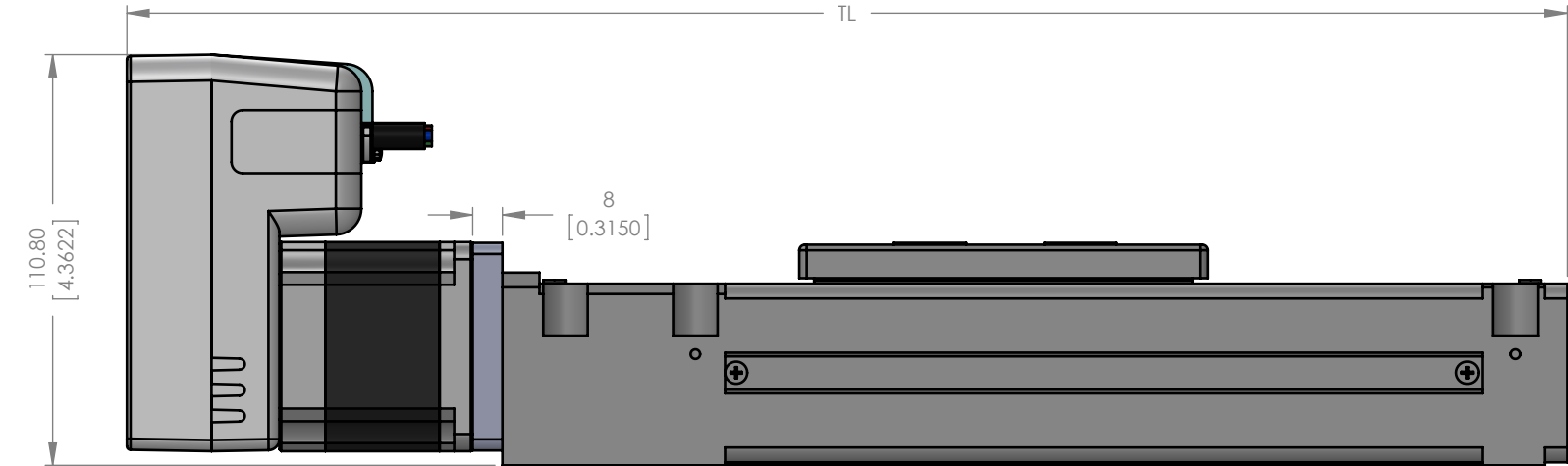
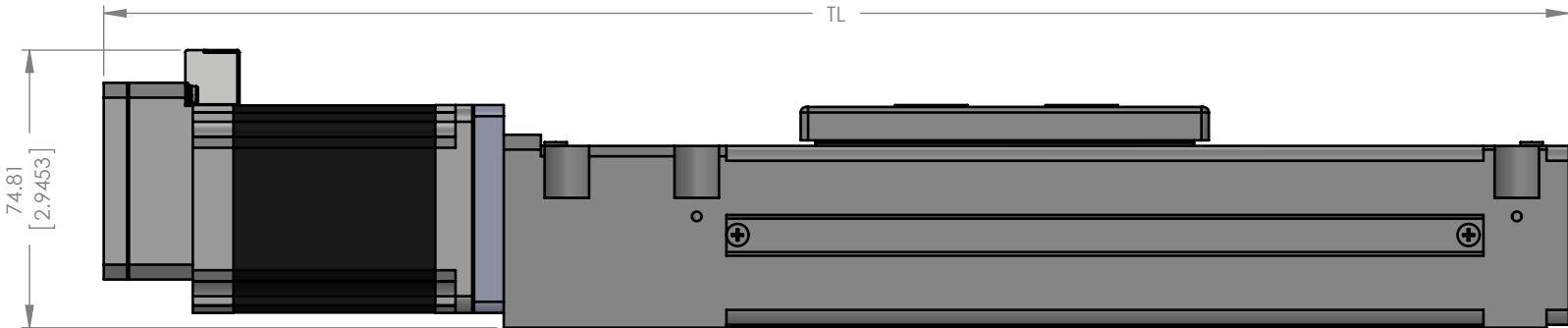
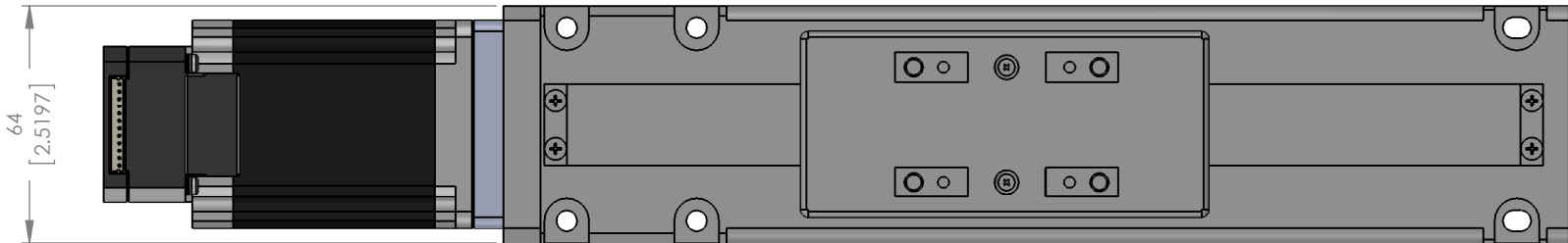
Naming Convention:

RL-<Size>-<Lead>-<Stroke>-<Motor>-<Interface>
ex.
RL-60T-12-200-23S30-C


B

Bill of Materials				
Part No.		Description	Quantity	
VLA-ST-60		Actuator	1	
ST60-BKT-NEMA23		Bracket	1	
23S30C / 23L20C	56B10C / 56B20C	Motor	1	
RCLA25C-6-6.35	RCLA25C-6-8	Coupling	1	
M4-12mm		Screws	8	
Stroke	TL - Total Length			
	w/ 23S30C	w/ 23L20C	w/ 56B10C	w/ 56B20C
050	311 [12.244]	345 [13.583]	338.2 [13.315]	364.2 [14.339]
100	361 [14.213]	395 [15.551]	388.2 [15.283]	414.2 [16.307]
150	411 [16.181]	445 [17.520]	438.2 [17.252]	464.2 [18.276]
200	461 [18.150]	495 [19.488]	488.2 [19.220]	514.2 [20.244]
250	511 [20.118]	545 [21.457]	538.2 [21.189]	564.2 [22.213]
300	561 [22.087]	595 [23.425]	588.2 [23.157]	614.2 [24.181]
350	611 [24.055]	645 [25.394]	638.2 [25.126]	664.2 [26.150]
400	661 [26.024]	695 [27.362]	688.2 [27.095]	714.2 [28.118]
450	711 [27.992]	745 [29.331]	738.2 [29.063]	764.2 [30.087]
500	761 [29.961]	795 [31.299]	788.2 [31.032]	814.2 [32.055]
550	811 [31.929]	845 [33.268]	838.2 [33.000]	864.2 [34.024]
600	861 [33.898]	895 [35.236]	888.2 [34.969]	914.2 [35.992]
700	961 [37.835]	995 [39.173]	988.2 [38.906]	1014.2 [39.929]

A



UNITS: mm [inch]

<div>Unless otherwise specified, tolerance to be: CNS 4018 IT 14 Linear measures</div> <div>0.5-3 ± 0.1 3-6 ± 0.1 6-30 ± 0.2 30-120 ± 0.3 120-315 ± 0.5</div>	NAME		DATE		DO NOT SCALE DRAWING		DIMENSIONS ARE METRIC				
	DRAWN		E.Lock		30-Mar-2015		TITLE: RL Series Actuator				
	CHECKED										
	ENG APPR.										
<div>PROPRIETARY AND CONFIDENTIAL</div> <div>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MYOSTAT MOTION CONTROL INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF COOLMUSCLE INC. IS PROHIBITED.</div>		<div></div> <div>Myostat Motion Control Inc. 1+ 905-836-4441 www.myostat.ca</div>				SIZE		PRT. NO.		REV	
		B		RL-60T-□□-□□□□□□□□		2.2					
		SCALE: 1:2		WEIGHT: -		SHEET 2 OF 2					