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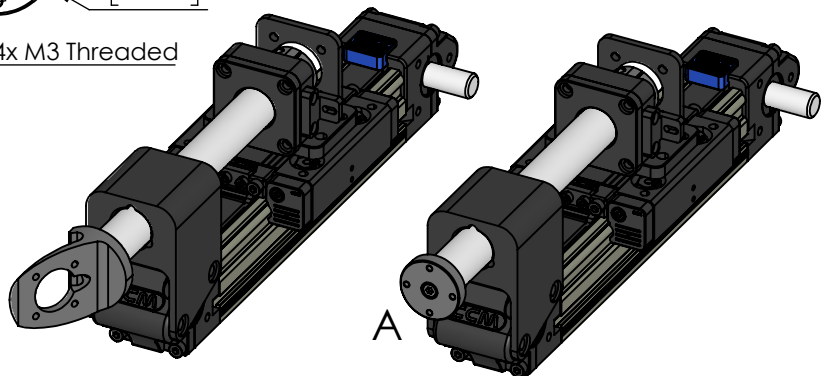
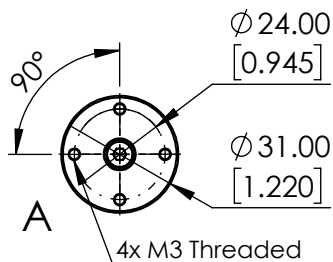
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Technical Data

	Unit		Value	
Max. Vertical Movement Speed	m/s	ft/s	0.5	1.640
Max. Horizontal Movement Speed			0.8	2.625
Max. Acceleration	m/s ²	ft/s ²	10	32.81
Pitch	mm/rev	inch/rev	75	2.953
Positional Repeatability	mm	inch	0.1	0.004
Fx Max.	N	lbf	20	4.5
Fy Max.				
Fz Max.				
Max. Load	Kg	lb	2	4.4
Working Temp.	°C	°F	-20~60	-4~140
Service Life	5 Million Cycles			

Variable Dimensions

L1	S + 230 [9.921]
L2	S + 220 [8.661]
S - Stroke	70, 120, 170, 220, 270, 320



Available with 30° and 90° outputs

Naming Convention

MX40-□□□-□

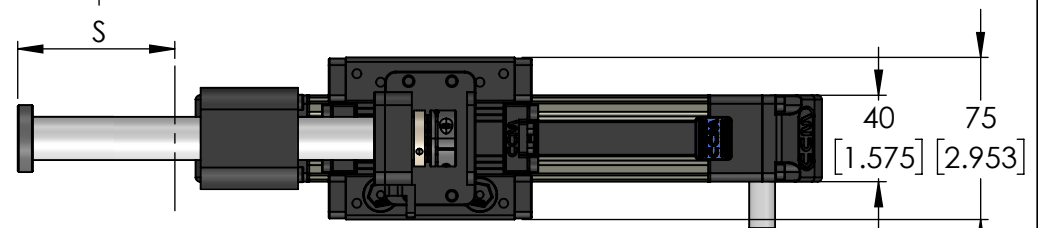
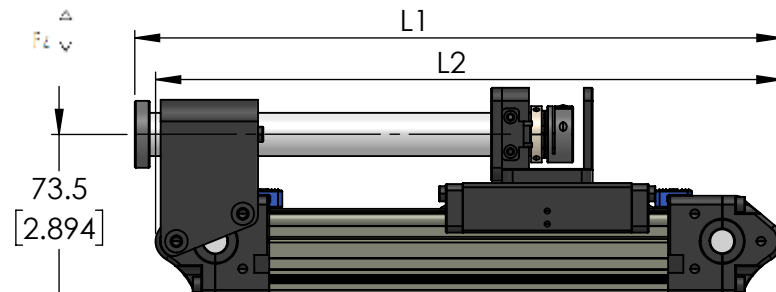
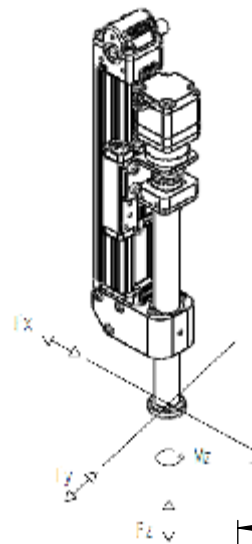
Frame Size

Stroke

Motor

Theta Motor Options

A	NEMA 17 stepper with 1:5 speed reducer
B	CM1-C-17L30C with EL42-007-17000 gearbox



See M40 drawing for actuator dimensions and optional attachments

Unless otherwise specified,
tolerance to be: CNS 4018
IT 14 Linear measures
0.5-3 ±0.1
3-6 ±0.1
6-30 ±0.2
30-120 ±0.3
120-315 ±0.5

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	NAME	DATE	DO NOT SCALE DRAWING	UNITS: mm [inch]
DRAWN	M.REYNOLDS	04-28-2018	TITLE: Z-THETA BELT DRIVEN ACTUATOR	
CHECKED	M.Dank	08-28-2018		
ENG APPR.	M.Dank	08-28-2018		
SIZE	PRT. NO.	REV		
A	MX40-□□□-□	1.1		
SCALE 1:3.5			SHEET 1 OF 1	

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