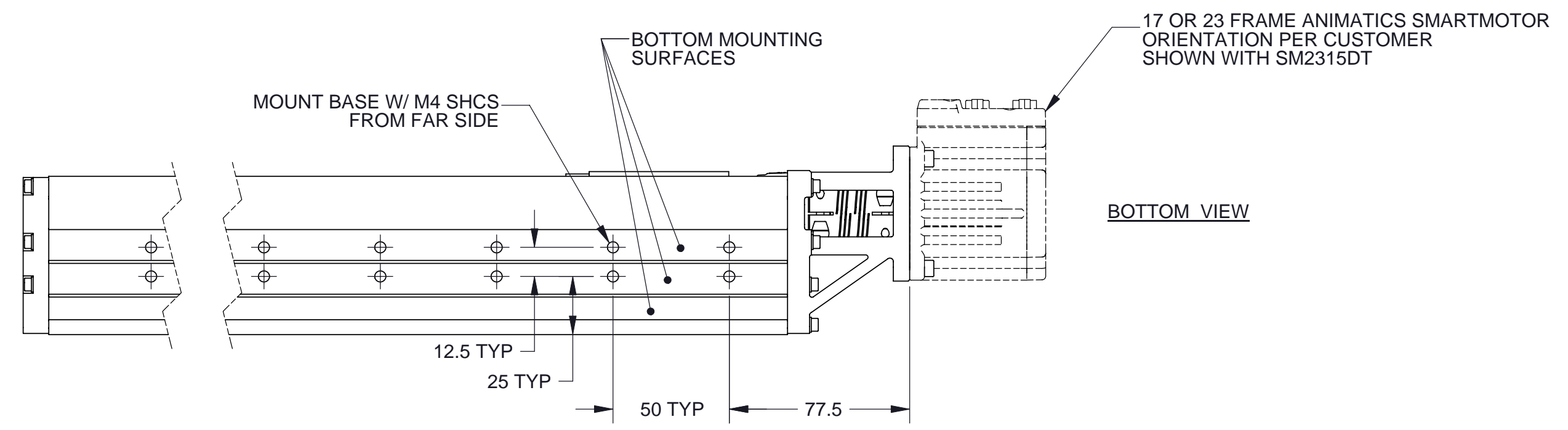
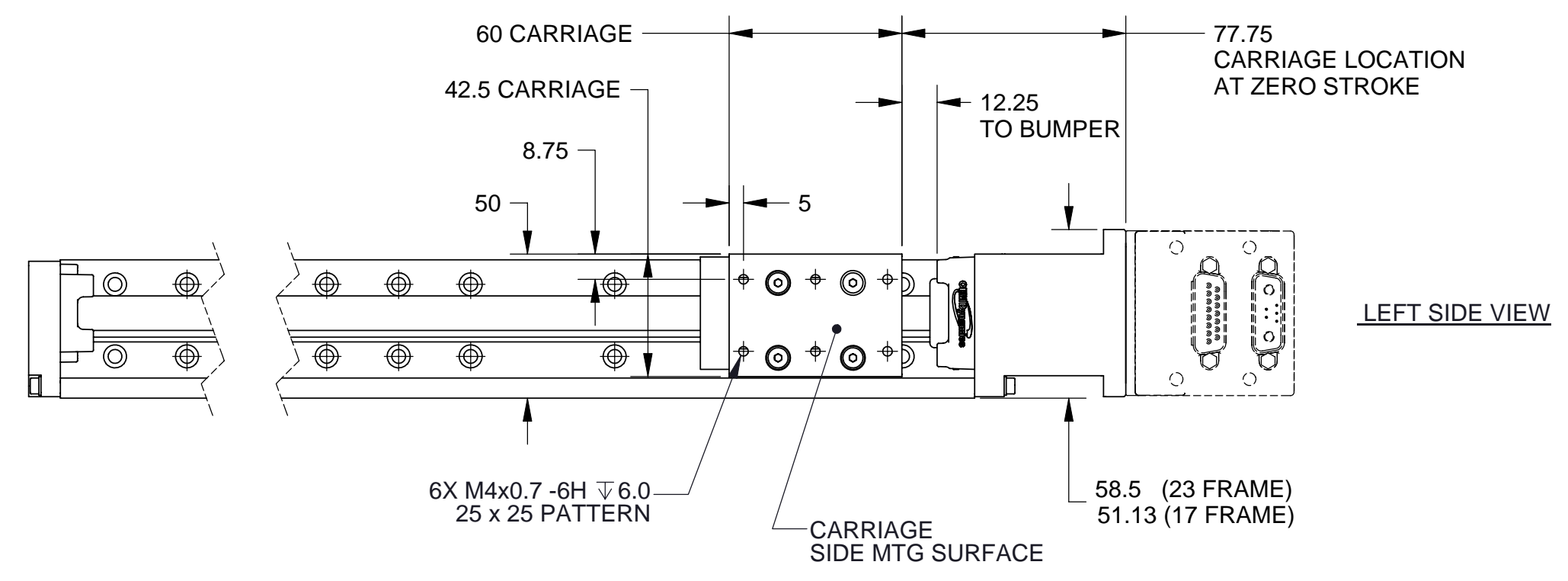
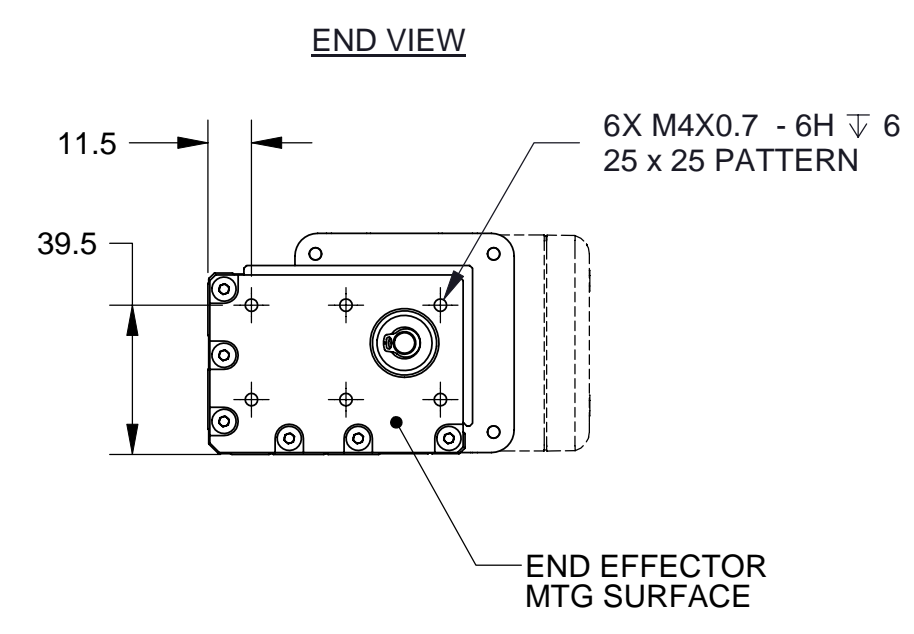
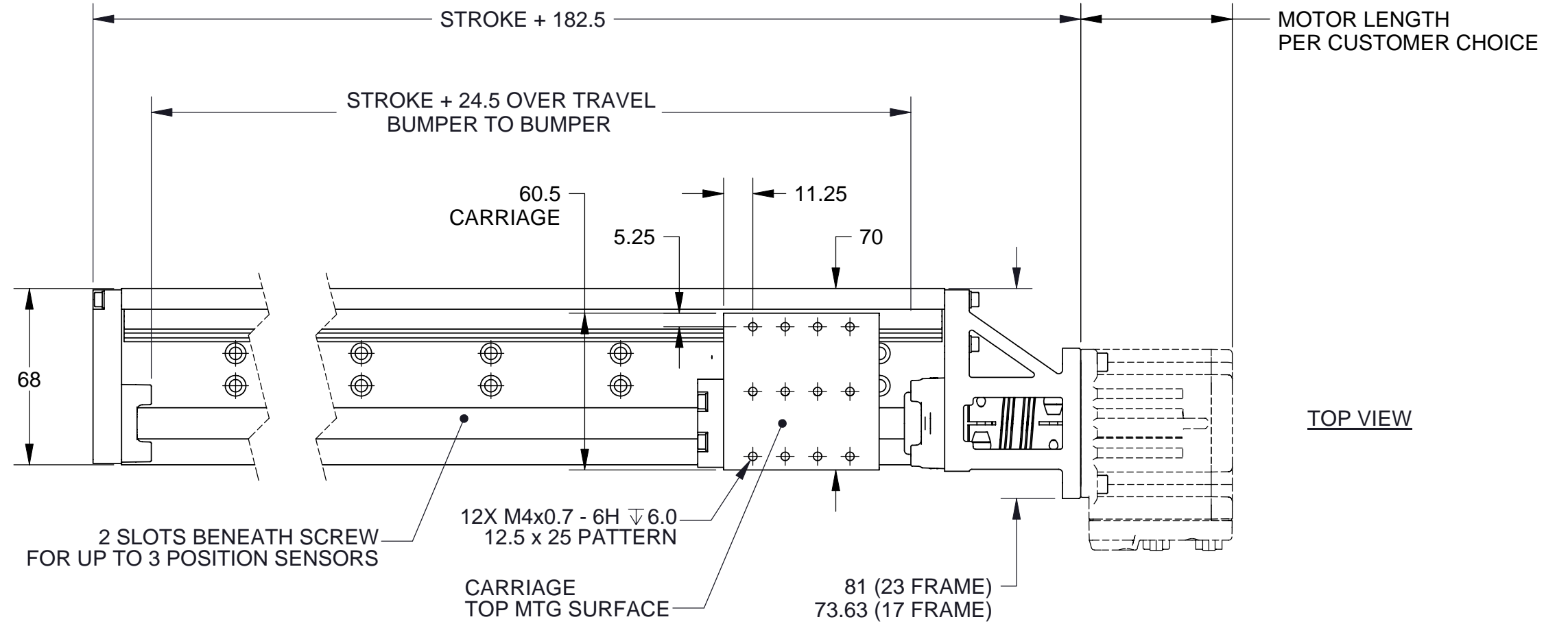
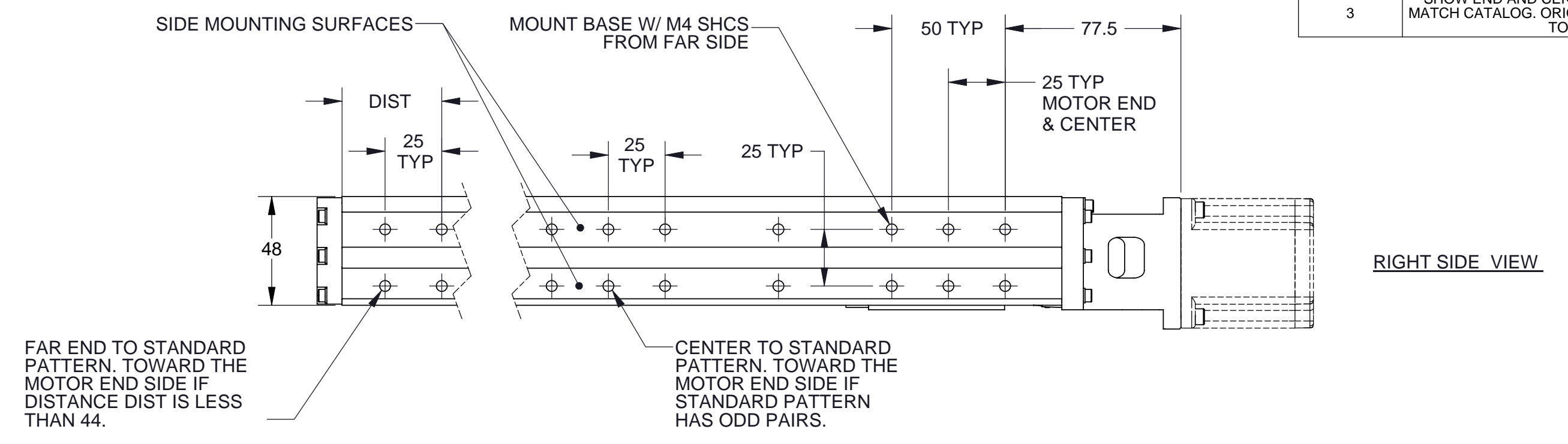
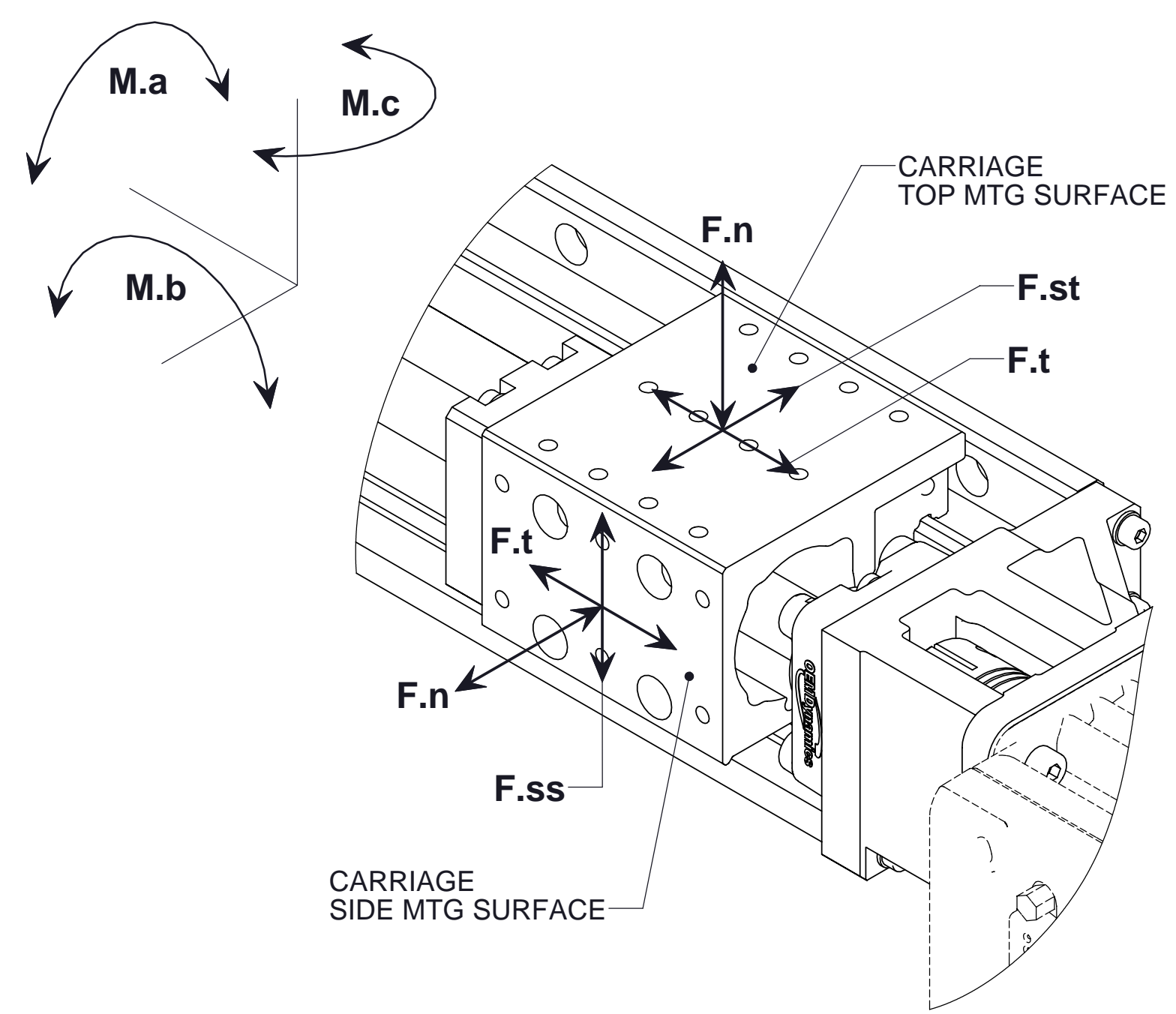


REV.	DESCRIPTION	ZONE	ECO	DATE	APPROVED
1	INITIAL RELEASE	/	/	2/4/2007	P. BORLOZ
2	REDEFINED FOR PRODUCTION RELEASE	/	/	9/5/07	K. KALLAY
3	SHOW END AND CENTER MOUNTING PATTERN TO MATCH CATALOG. ORIGINAL REV 3 DWG MISSING DUE TO DATA LOSS	/	/	10/6/2010	GS

L70 Product Specifications		
Parameter	Value	Units
Configuration & Physical Parameters		
Motor	Animatics SmartMotors Size 17 & 23	-
Coupling	Beam	-
Ballscrew Leads	5, 10	mm/rev
Position Sensors	Adjustable (3 max) NPN N/O or N/C	-
Stroke Lengths	Standard in 50mm increments to 600 Custom in 1mm increments to 600	mm
Overall Length	Stroke + 182.5 + Motor	mm
Over-Travel	24.5	mm
Unit Mass	1.29 + 0.00414 X (travel, mm) + (motor mass)	kg
Performance		
Unidirectional Repeatability	3	µm
Bi-directional Repeatability	16	µm
Ballscrew Lead Accuracy	0.052/300	mm/mm
Dynamic Load Capacities*		
Payload Mass	20	kg
F.t, Thrust	200	N
F.n, Carriage Normal	200	N
F.st, Carriage Side	200	N
F.ss, Carriage Side	100	N
M.a, Carriage Moment**	5	Nm
M.b, Carriage Moment**	5	Nm
M.c, Carriage Moment**	5	Nm
Static Load Capacities		
F.t0, Thrust	1140	N
F.n0, Carriage Normal	400	N
F.st0, Carriage Side	400	N
F.ss0, Carriage Side	400	N
M.a0, Carriage Moment**	20	Nm
M.b0, Carriage Moment**	20	Nm
M.c0, Carriage Moment**	20	Nm

* Based on a basic desired service life of 15,000hr (7.5yrs single shift).
Consult the factory if your application exceeds these values.
** Moment capacities given about center of carriage mounting surfaces.



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MATERIAL	FINISH	DRAWN P. BORLOZ	DATE 1/30/2007
/	/	ENGR P. BORLOZ	DATE 2/4/2007

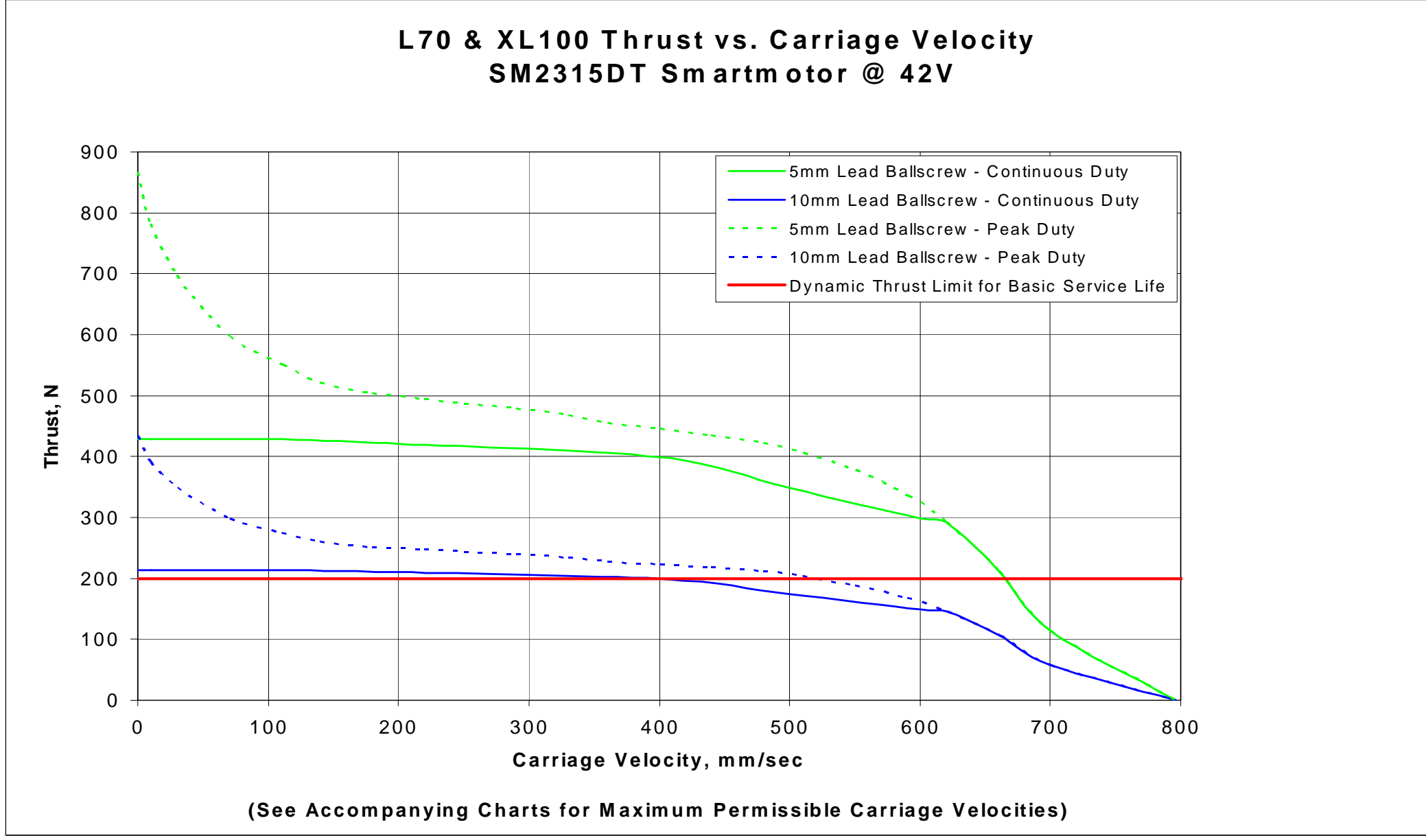
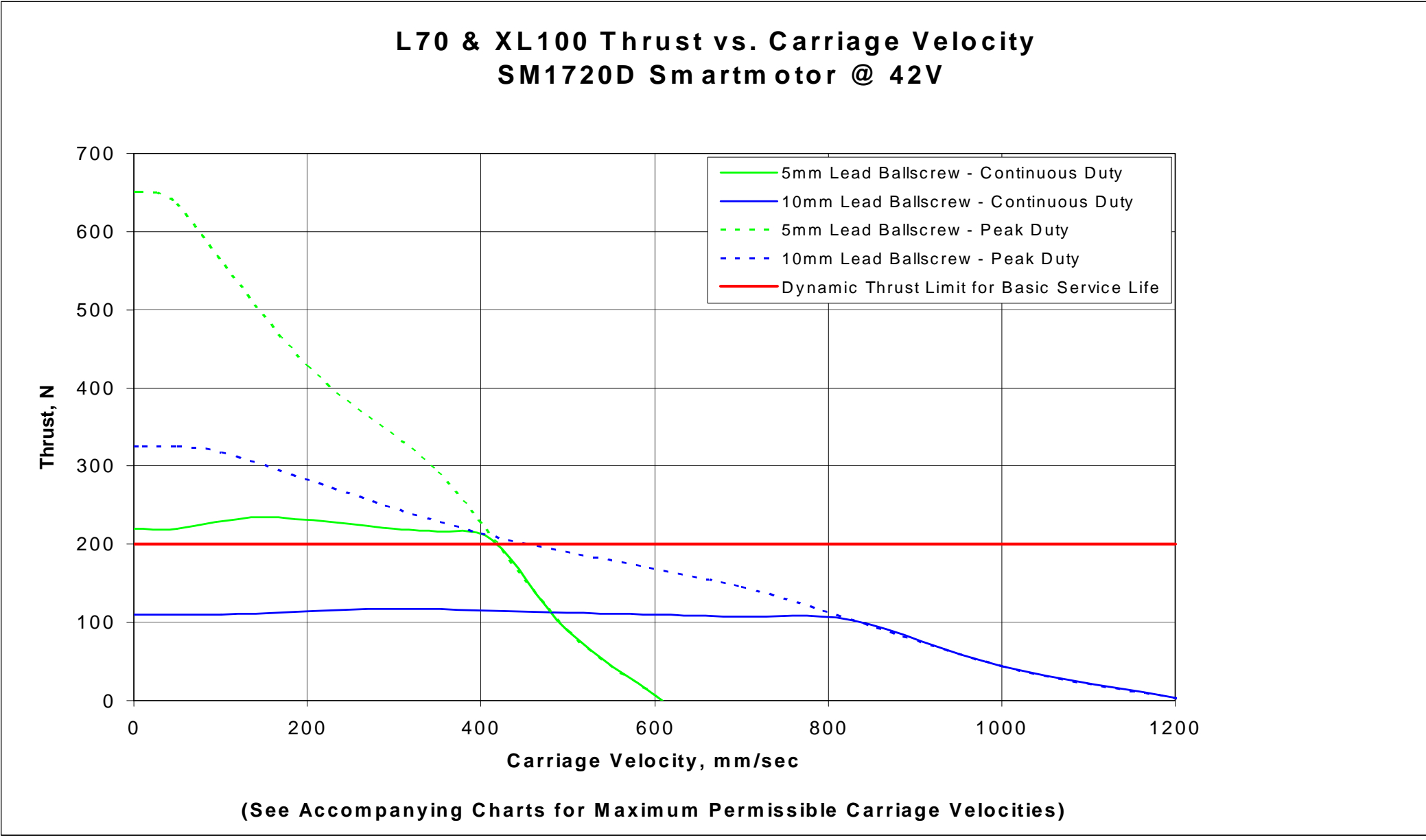
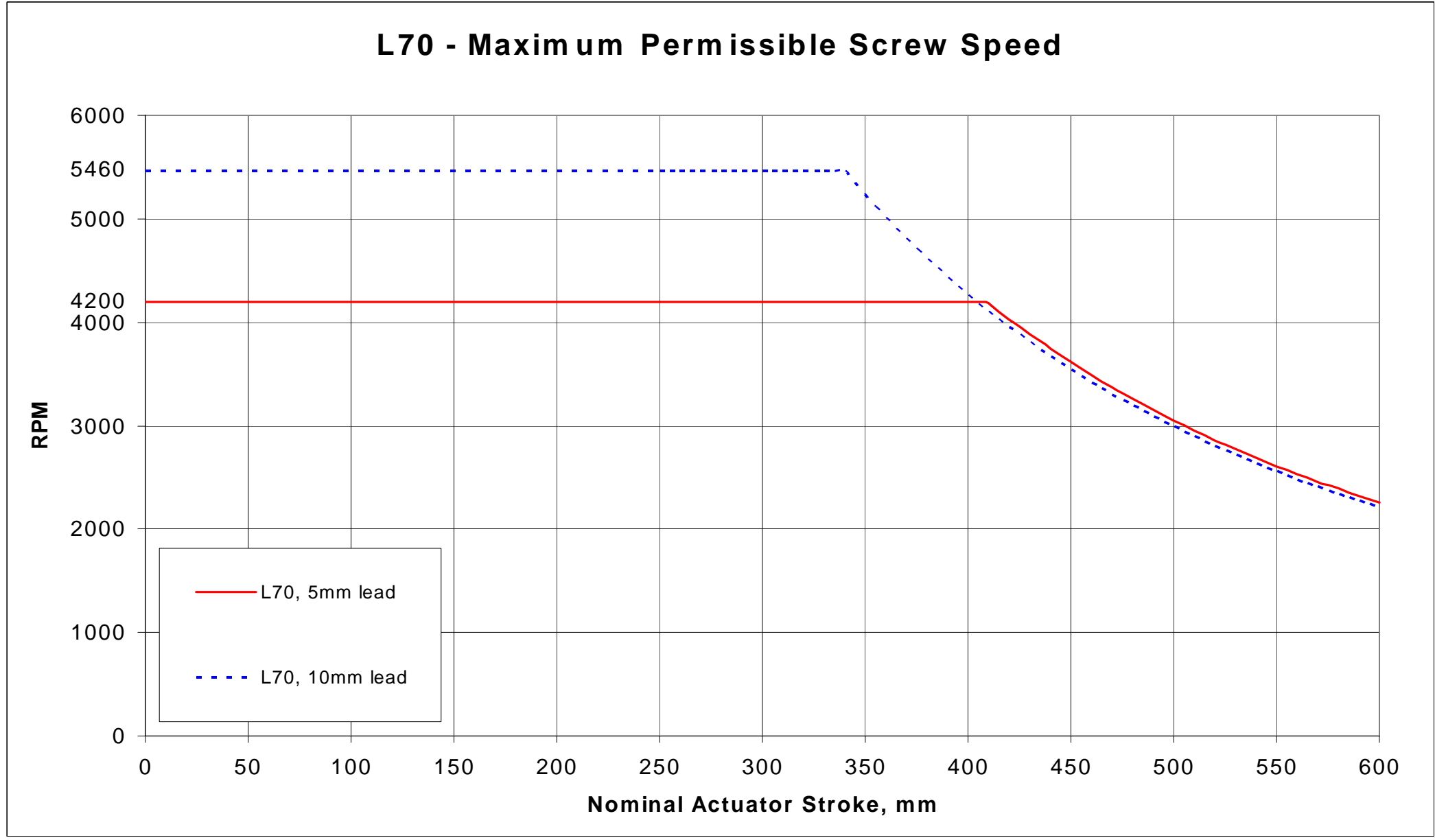
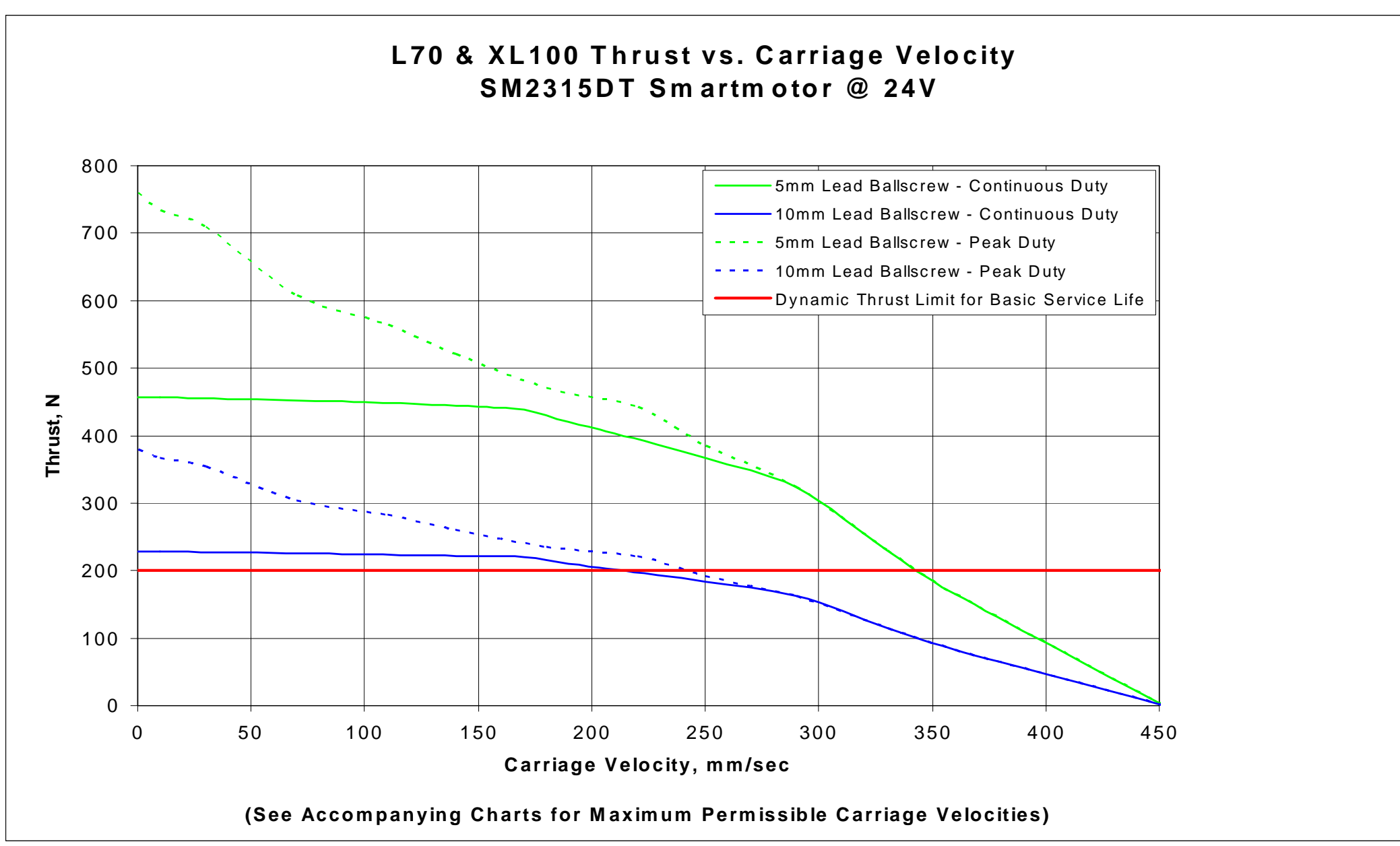
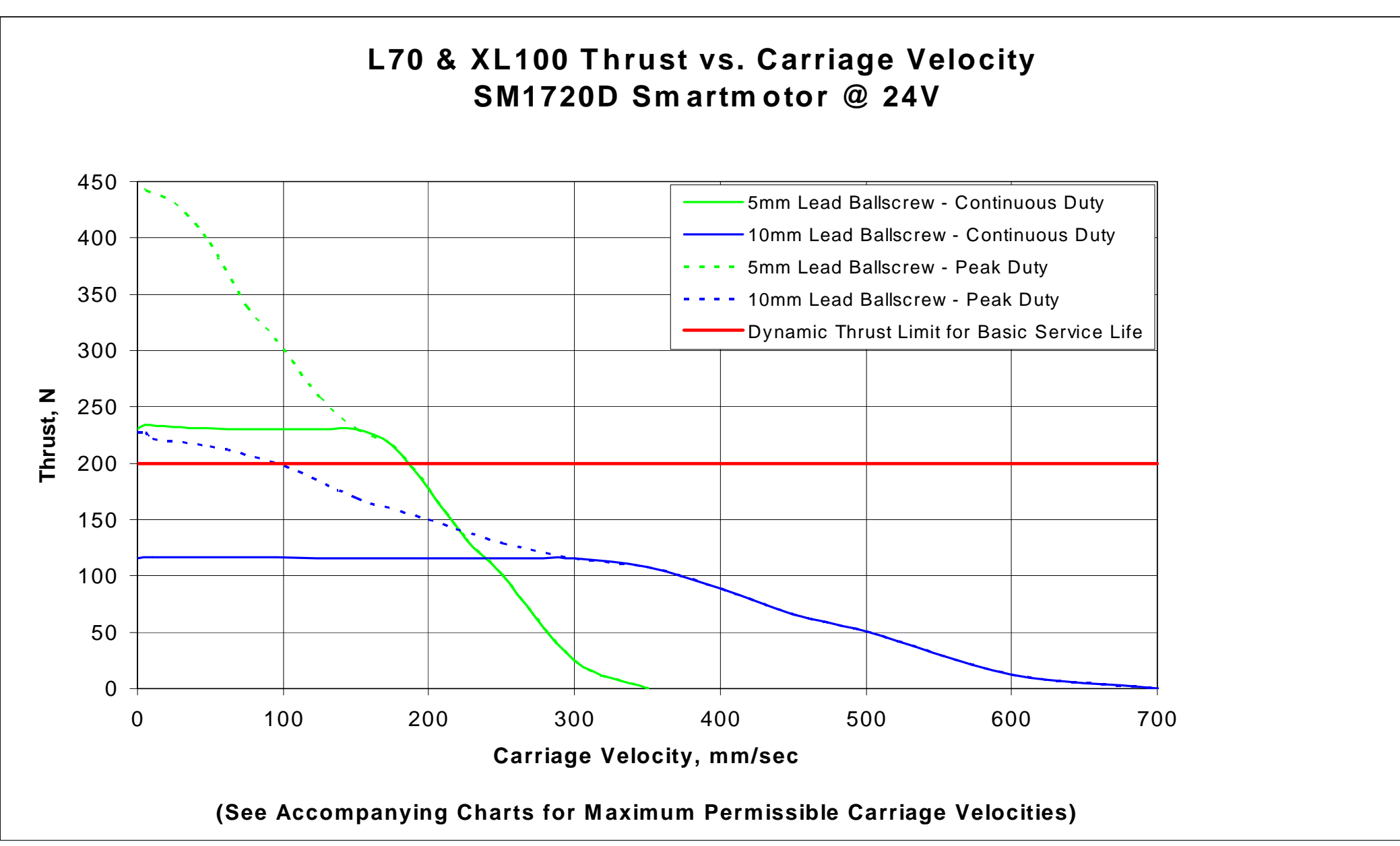
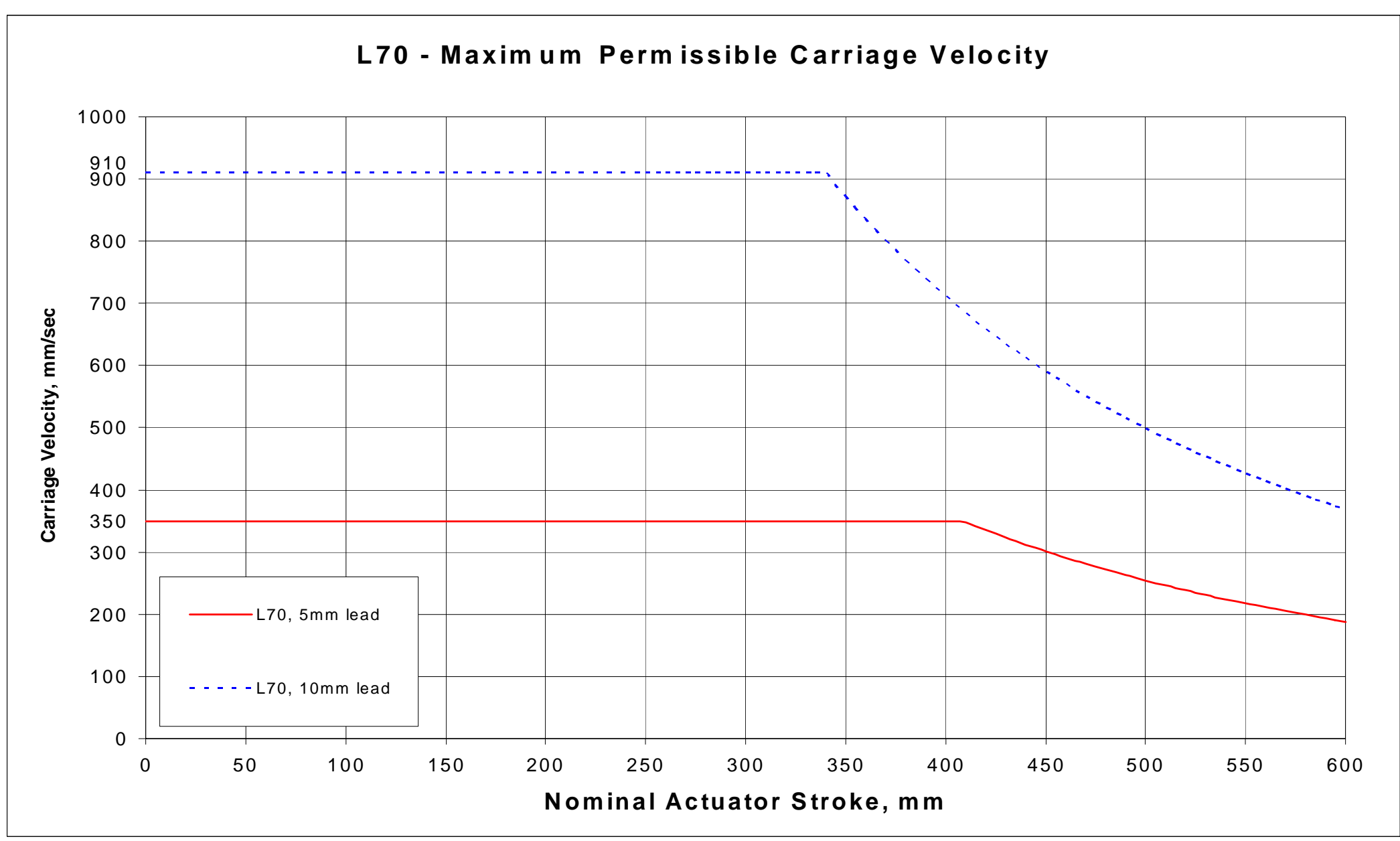
METRIC UNLESS OTHERWISE SPECIFIED: INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994.

THIRD ANGLE PROJECTION

California, USA
www.OEMDynamics.com

TITLE SPECIFICATION DRAWING, L70

SIZE D	DWG NO 990002-01	REV 3
DO NOT SCALE DRAWING	SCALE 1:2	SHEET 1 OF 2



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MATERIAL /	FINISH /	DRAWN P. BORLOZ	DATE 1/30/2007	OEMDynamics	
		ENGR P. BORLOZ	DATE 2/4/2007	TITLE SPECIFICATION DRAWING, L70	
THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE MILLIMETERS AND TOLERANCES ARE:		INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994.	
		DECIMALS: .XX ± 0.10		ANGLES: .XX ± 0.25°	
		.X ± 0.2		.X ± 0.5°	
		NO BURRS ALLOWED. BREAK SHARP EDGES 3 MAX.		SURFACE ROUGHNESS Ra 0.8 MICROMETERS.	
SIZE D	DWG NO 990002-01	DO NOT SCALE DRAWING		SCALE 1:2	SHEET 2 OF 2