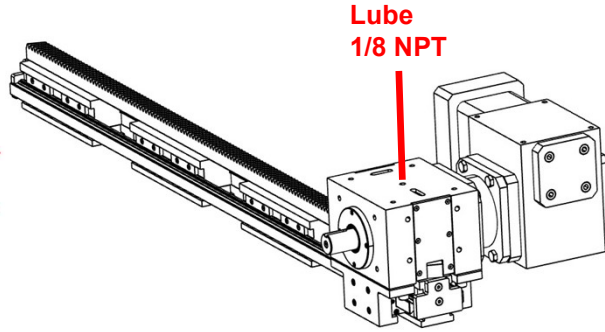




UNITS : mm www.fang2th.com

APPROVED: _____

DATE: _____



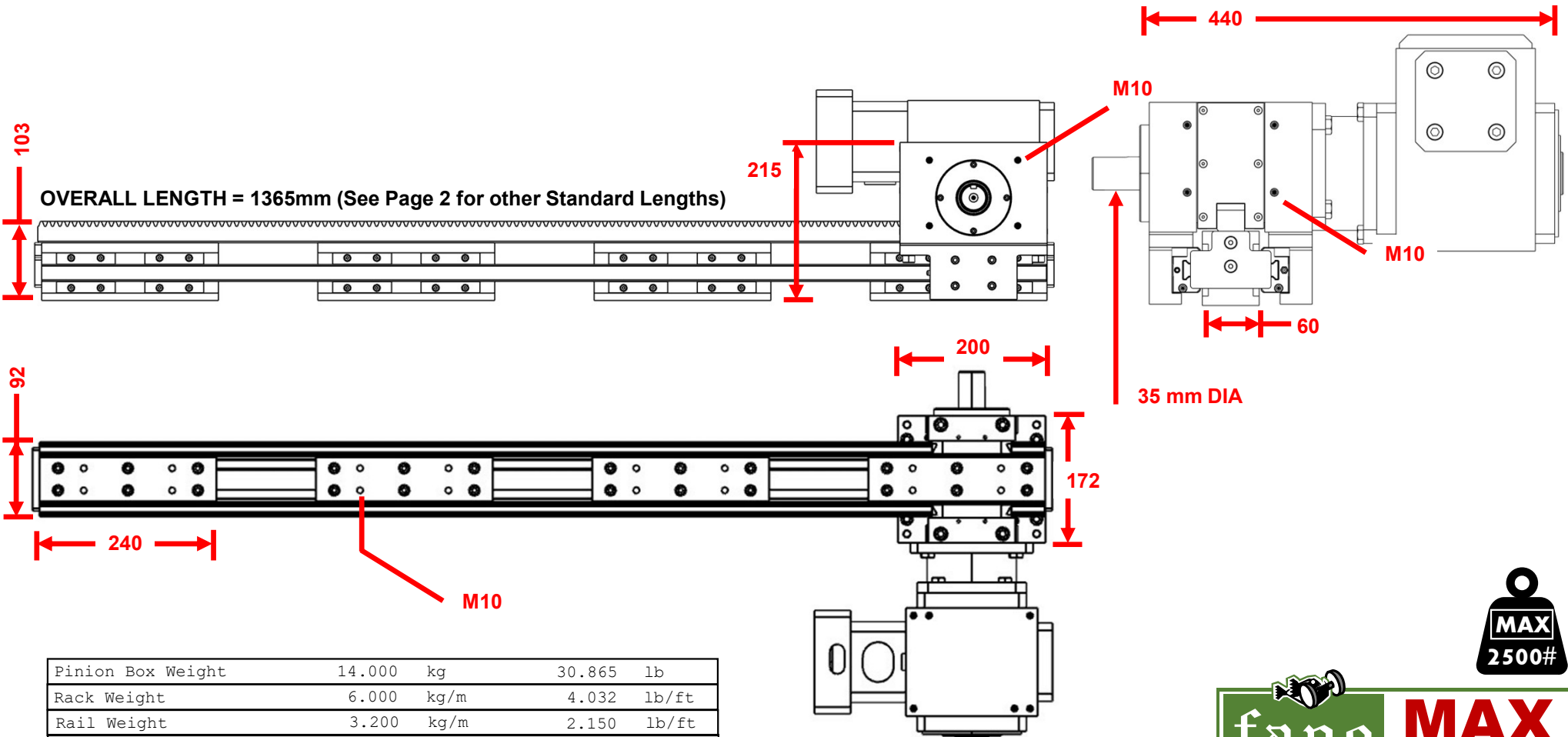
Pinion Pitch dia.	70.030	mm	2.7570	in
Travel per rev	220.000	mm	8.6614	in
Efficiency	92%			
Max Lifting Force	11120.000	N	2500.0000	lbs
*Max Input Torque	580.000	Nm	5133.0000	inlb
Repeatability	0.030	mm	0.0012	in

Servo Size 76 Worm 20:1 Ratio

Accel Outpt Torque	370.000	Nm	3300.0000	inlb
Efficiency	85%			
Inertia	8.570	kgcm2	2.9285	lbin2
Max Input Speed	4000-6000 RPM			
Pinion Inertia	7.1642	kgcm2	2.4481	lbin2

Drawn By: S Stearn
 Date: 11-04-2022

*Note: Max Input Torque is at
 Pinion Not Gearbox



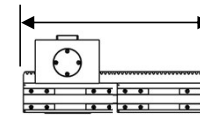
Pinion Box Weight	14.000	kg	30.865	lb
Rack Weight	6.000	kg/m	4.032	lb/ft
Rail Weight	3.200	kg/m	2.150	lb/ft
Base Clamp Weight	3.048	kg	6.720	lb



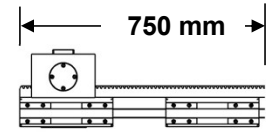
MADE IN THE USA

**Build Axis
As Long As
You Want**

2 x Clamp
Bases

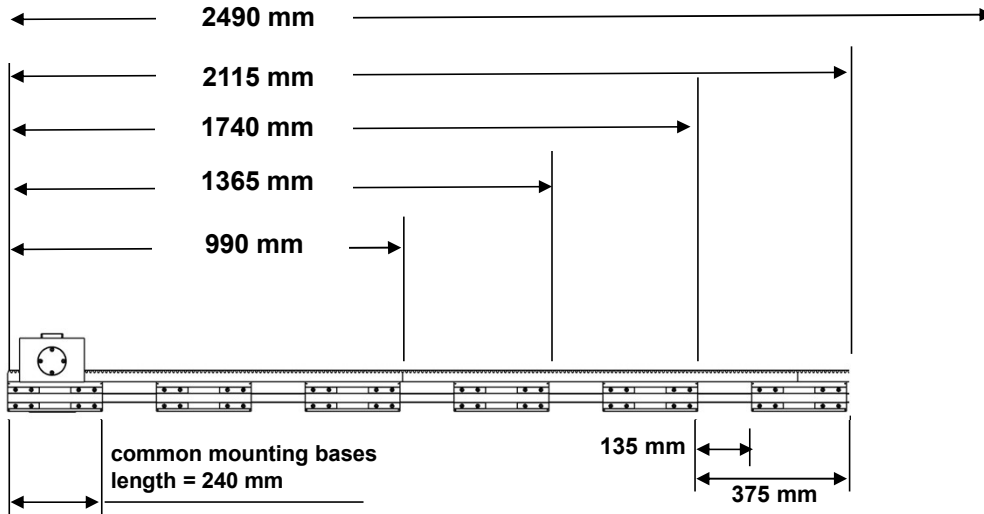


480 mm

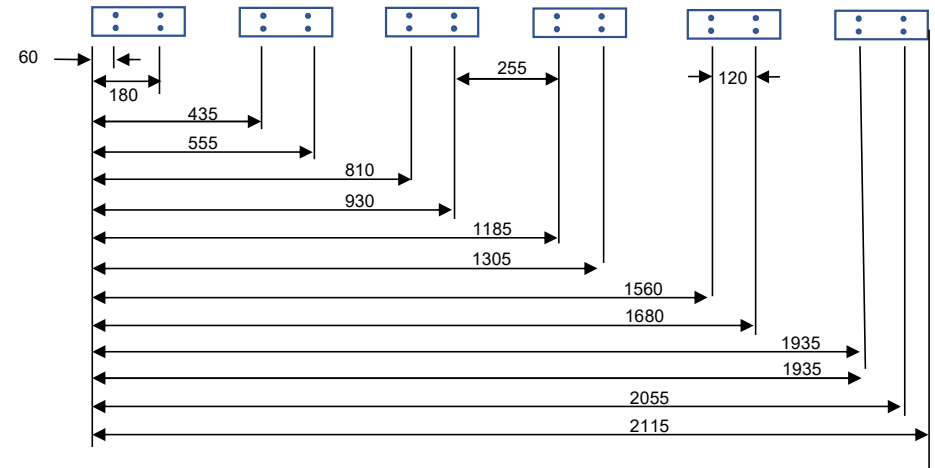


750 mm

STANDARD LENGTHS INCREMENTS OF 375 mm



Base Mounting Holes M10 (units=mm)



GEARBOXES



Type	Series	RATIO	Servo Worm Gear*					Ultra Worm*
			38SW	51SW	64SW	76SW	89SW	T5SW
Nm (lb-in)	Nom Output Torque (T2n)	4.75:1	NA	NA	NA	NA	NA	520 (4620)
		5:1	29 (260)	54 (480)	100 (850)	130 (1110)	260 (2300)	NA
		6:1	NA	61 (540)	150 (1350)	170 (1480)	290 (2580)	NA
		6.75:1	NA	NA	NA	NA	NA	520 (4620)
		7:1	NA	64 (570)	110 (1000)	270 (2370)	310 (2740)	NA
		8:1	NA	68 (600)	120 (1060)	200 (1740)	330 (2950)	NA
		9:1	NA	69 (520)	120 (1060)	200 (1740)	340 (3050)	NA
		9.25:1	NA	NA	NA	NA	NA	520 (4620)
		10:1	38 (340)	71 (630)	130 (1110)	210 (1870)	360 (3170)	NA
		15:1	40 (354)	75 (660)	130 (1110)	220 (1950)	370 (3280)	NA
		20:1	40 (354)	73 (650)	130 (1150)	220 (1950)	370 (3280)	NA
		25:1	NA	73 (650)	130 (1150)	220 (1950)	370 (3280)	NA
		30:1	37 (330)	70 (620)	120 (1060)	210 (1870)	350 (3130)	NA
		40:1	34 (300)	67 (590)	120 (1060)	200 (1740)	350 (3130)	NA
		50:1	34 (300)	64 (570)	110 (1000)	190 (1700)	330 (2880)	NA
		60:1	32 (280)	62 (550)	110 (1000)	180 (1630)	310 (2760)	NA

NOMENCLATURE/ORDERING CODE

Drawing No.
FANG2560_DATASHEET
 Page 3/3

Design: X=Max : O=Open: C=Custom



Rail Size:
 25

Clamp Width:
 60 mm - 1 Rack
 62 mm - 2Rack Flip
 22 mm - 2Rack Side x Side

Sample Model: FANGX2560P1BB-11P004-1000RXGX/MS2N05D

THK	Model SHS25LR				
	Dynamic Cap	29,208	N		
	Static Cap	64,700	N	L10 De-rate	
	Static Pitch Moment	848	Nm		= 0.48
	Static Roll Moment	646	Nm		
Hiwin	Model LGH25HA				
	Dynamic Cap	24,986	N		
	Static Cap	50,80	N	L10 De-rate	
	Static Pitch Moment	623.7	Nm		= 0.30
	Static Roller Moment	610	Nm		
NSK	Model LAH25BN				
	Dynamic Cap	16,945	N		
	Static Cap	NA	N	L10 De-rate	
	Static Pitch Moment	530	Nm		= 0.09
	Static Roll Moment	470	Nm		
IKO	Model MWHDG25				
	Dynamic Cap	20,001	N		
	Static Cap	28,800	N	L10 De-rate	
	Static Pitch Moment	309	Nm		= 0.28
	Static Roll Moment	362	Nm		
Rexroth	Model 1624-214-20				
	Dynamic Cap	37,300	N		
	Static Cap	52,500	N	L10 De-rate	
	Static Pitch Moment	740	Nm		= 1.0
	Static Roll Moment	750	Nm		
Ewellix (SKF)	Model LLTHS25LR				
	Dynamic Cap	24,400	N		
	Static Cap	44,600	N	L10 De-rate	
	Static Pitch Moment	525	Nm		= 0.28
	Static Roll Moment	460	Nm		
INA	Model KUSE25HL				
	Dynamic Cap	35,300	N		
	Static Cap	93,700	N	L10 De-rate	
	Static Pitch Moment	903	Nm		= 0.85
	Static Roll Moment	736	Nm		
Thomson - Model 500 Series F					
	Dynamic Cap	25,500	N		
	Static Cap	60,300	N	L10 De-rate	
	Static Pitch Moment	863	Nm		= 0.17
	Static Roll Moment	825	Nm		

