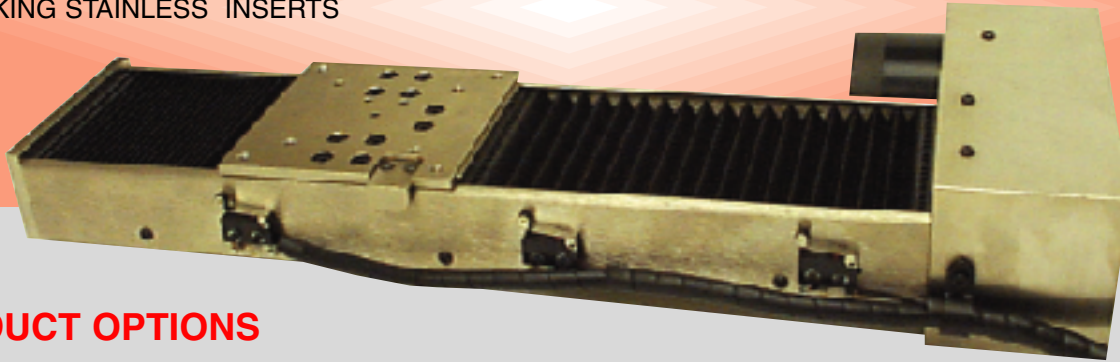


PRODUCT FEATURES

90mm WIDTH x 40mm HEIGHT
 STROKES TO 500mm (19.7")
 (2) LINEAR GUIDES; (2) PUCK (S/S)
 NEMA 23 FRAME MOTOR MOUNT
 M4 LOCKING STAINLESS INSERTS



PRODUCT OPTIONS

HOME / LIMIT SWITCHES
 BELLOWS / WAYCOVERS
 NEMA 17 FRAME MOTOR MOUNT
 IMPERIAL / ENGLISH MOUNTING HOLES
 MULTI-AXIS CONFIGURATIONS
 PARALLEL MOTOR MOUNTING
 ENVIRONMENTAL PREP
 LINEAR ENCODERS

APPLICATIONS

COMPONENT POSITIONING
 TOOLING FIXTURES
 LASER POSITIONING / WELDING
 LIGHT DUTY MACHINING
 VISION INSPECTION / TEST & MEASUREMENT
 ADHESIVE / FLUID DISPENSING

Performance Specifications

Screw Dependent	Drive Screw Options			
	L (C7)	RB (C7)	UL (C3)	up to 300 mm GB (C3)
Positional Accuracy – m/mm (x 0.001 /in)	6 (.00025)	20 (.0008)	.8 (.00003)	.6 (.000025)
Positional Repeatability – m (0.001)	1 (.00004)	125 (.005)	1 (.00004)	1 (.000025)
Maximum Screw Speed – RPS *	25	50	13	50
Maximum Acceleration – mm/sec ² –in/sec ² #	9800 (386)	19600 (770)	7350 (290)	19600 (770)
Drive Screw Efficiency – %	20 - 80 +	90	25 - 40 +	85
Drive Screw Diameter – mm (in)	9.7 (.38)	9.7 (.38)	12.7 (.50)	12 (.47)
Breakaway Torque (No Load) – N-m (oz/in)	0,070 (10)	0,056 (8)	0,084 (12)	0,112 (16)
Constant Speed Torque – N-m (oz/in)	0,056 (8)	0,049 (7)	0,070 (10)	0,084 (14)
Axial Loading – Kgf (lbs)	9 (20)	30 (66)	22,7 (50)	40 (88)

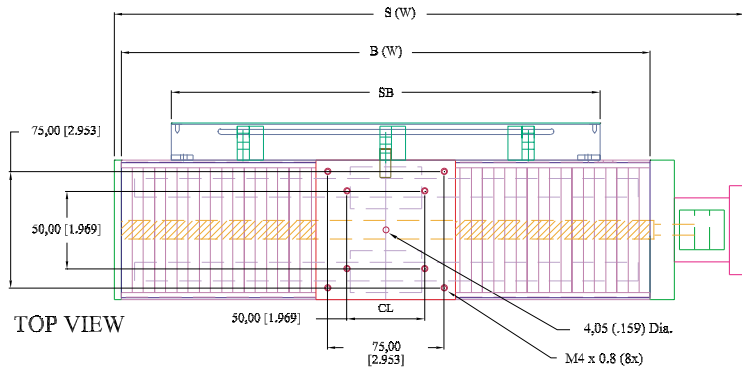
(+ Fine leads minimize efficiency) (# Limited by maximum axial force) (* Speeds may be increased with support modifications)

Stroke Length (in) Dependent	50 (1.969)	100 (3.937)	150 (5.906)	200 (7.874)	250 (9.843)	300 (11.811)	350 (13.780)	400 (15.748)
Straightline Accuracy – m (x 0.001)^	18 (.71)	20 (.78)	24 (.94)	40 (1.57)	50 (1.97)	70 (2.75)	80 (3.15)	100 (3.94)
Flatness of Travel – m (x 0.001)^	18 (.71)	20 (.78)	24 (.94)	40 (1.57)	50 (1.97)	70 (2.75)	80 (3.15)	100 (3.94)
Table Weight – Kgf (lbs)	6.6 (3.0)	7.7 (3.5)	8.6 (3.9)	9.7 (4.4)	10.5 (4.8)	11.6 (5.3)	12.5 (5.7)	13.6 (6.2)

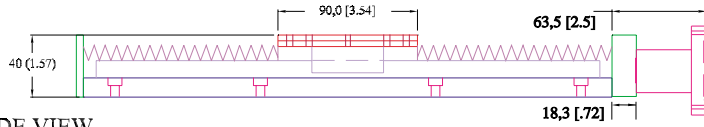
(^ higher grade accuracy available. Please consult factory)

Fixed Parameters

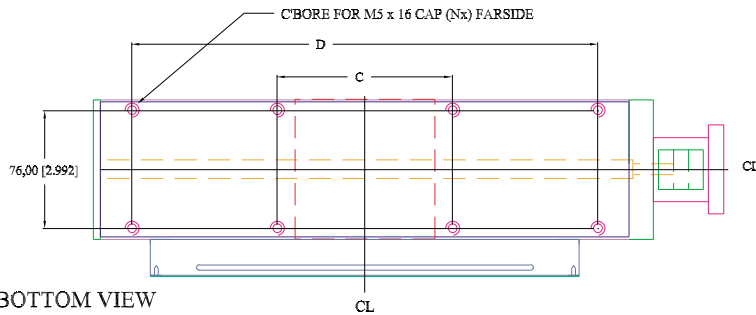
Static Horizontal Loading (on center) – Kgf (lbs)	136 (150)	Moment Loading (Pitch) – N-m (lb/ft)	33.3 (24)
Dynamic Horiz. Loading (on center) - Kgf (lbs)	68 (300)	Moment Loading (Yaw) – N-m (lb/ft)	33.3 (24)
Inverted Loading (on center) – Kgf (lbs)	27 (40)	Moment Loading (Roll) – N-m (lb/ft)	52.0 (38)
Per Bearing Load - Kgf (lbs)	478 (1,056)	Coefficient of Friction – %	0.03
Inverted Per Bearing Load – Kgf (lbs)	478 (1,056)	Carriage Weight – Kgf (lbs)	0,21 (.46)



TOP VIEW

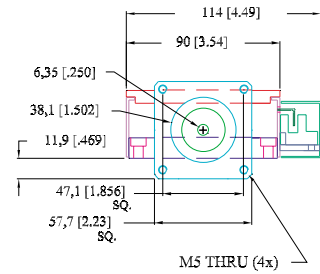


SIDE VIEW

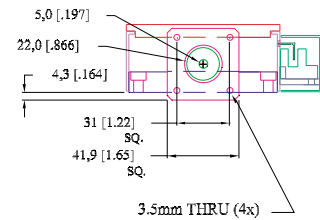


BOTTOM VIEW

NEMA 23 MOUNT (STANDARD)

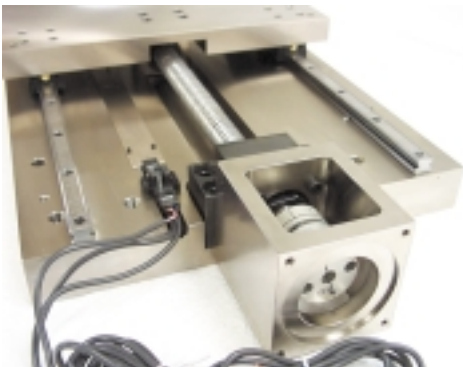


NEMA 17 MOUNT



(W) = WAYCOVER OPTION
SHOWN WITH WAYCOVER, (SOS) SWITCH OPTION

STROKE	S	SW	B	BW	C	D	N	SB
50	210 (8.27)	250 (9.84)	140 (5.512)	180 (7.09)	125 (4.921)	—	4	100 (3.9)
100	260 (10.24)	310 (12.20)	190 (7.480)	240 (9.45)	150 (5.906)	—	4	150 (5.9)
150	310 (12.20)	360 (14.17)	240 (9.449)	290 (11.42)	220 (8.661)	—	4	200 (7.9)
200	360 (14.17)	440 (17.32)	290 (11.417)	370 (14.26)	125 (4.921)	270 (10.630)	8	250 (9.8)
250	410 (16.14)	490 (19.29)	340 (13.386)	420 (15.03)	150 (5.906)	320 (12.598)	8	300 (11.8)
300	460 (18.11)	560 (22.05)	390 (15.354)	490 (19.29)	150 (5.906)	370 (14.570)	8	350 (13.8)
350	510 (20.08)	610 (24.02)	440 (17.323)	540 (21.26)	150 (5.906)	420 (16.535)	8	400 (15.8)
400	560 (22.05)	690 (27.17)	490 (19.291)	620 (24.30)	150 (5.906)	470 (18.504)	8	450 (17.7)
500	660 (25.98)	810 (31.89)	590 (23.228)	740 (29.13)	200 (7.874)	550 (21.651)	8	590 (23.3)



See How To Order On Page 17