

NOTES:

1. MODIFIED FROM PURCHASED PART #MAT15

SPECIFICATIONS:
 MODEL: SCHNEEBERGER MAT15, SPECIAL
 MATERIAL: STEEL, ELECTROLESS NICKEL PLATING AND DURALLOY
 USABLE STROKE: 200mm
 EFFECTIVE STROKE: 220mm

PRECISION:
 STRAIGHTNESS: 10um / 200mm
 FLATNESS: 10um / 200mm
 ROLL: $-25\ \mu\text{m}$
 REPEATABILITY: 100um (BY-DIRECTIONAL) / 200mm

BALLSCREW:
 PITCH: 10mm
 PRECISION CLASS: 10um / 300mm, PRELOADED
 THREAD LENGTH: 382mm
 TRANSLATION RESOLUTION: 10um
 MAX. SPEED: 50mm / SEC.

DIMENSIONS:
 OVERALL:
 LENGTH L: 600mm
 WIDTH: 254mm
 HEIGHT: 90mm

BASE:
 LENGTH L: 600mm
 WIDTH: 230mm
 HEIGHT: 40mm

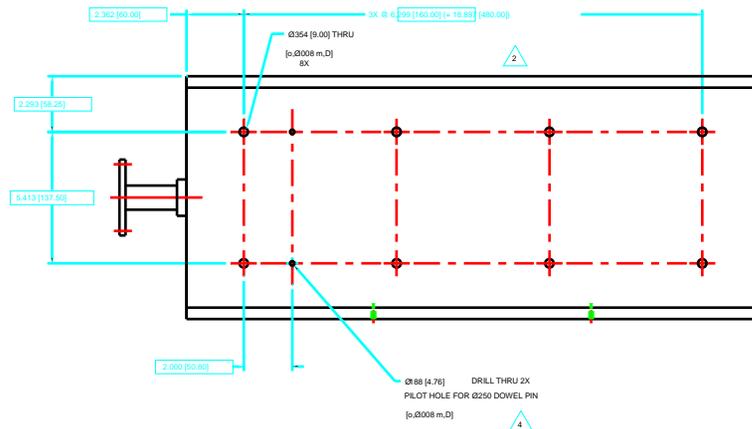
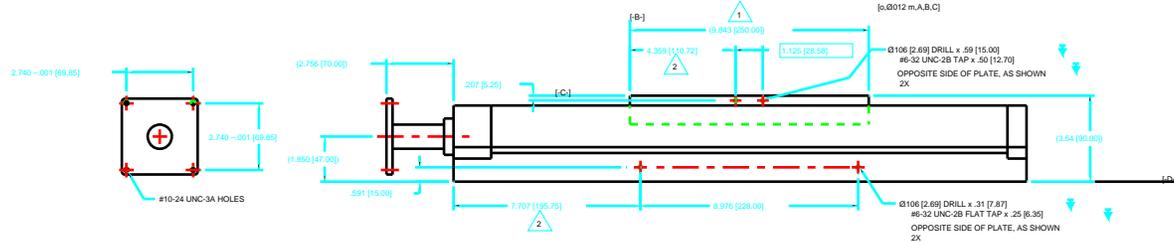
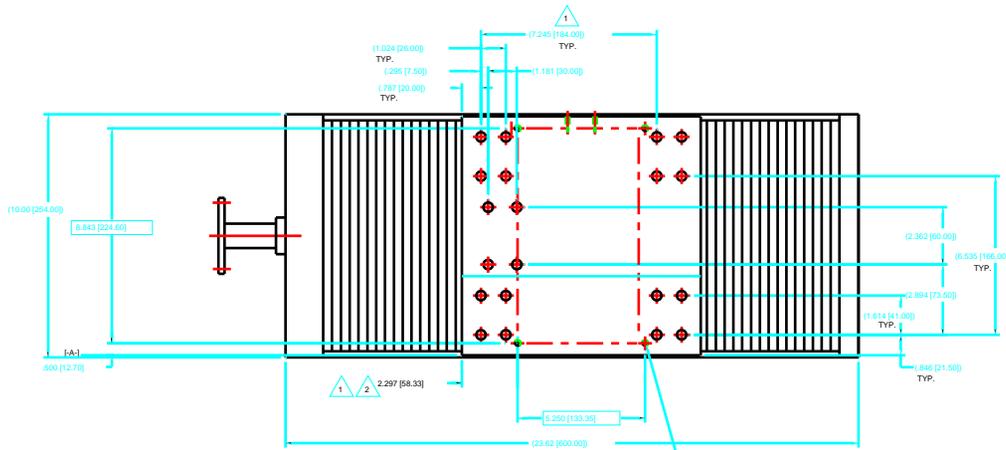
UPPER:
 LENGTH L1: 250mm
 WIDTH B: 250mm
 HEIGHT: 30mm
 RAIL LENGTH: 520mm

OPTIONS:
 LIMIT SWITCHES: 2 END SWITCHES, PROXIMITY TYPE
 HOME SWITCHES: 1 LOCATED AT THE CENTER OF TRAVEL
 ENCODER: OPTICAL LINEAR, INCREMENTAL, FULL TRAVEL RANGE
 RESOLUTION: 1um
 OUTPUT: TTL COMPATIBLE
 COVER: BELLOWS, 13 FOLDS / SIDE
 VARIOUS: WITH COUPLING, COUPLING HOUSING AND NEMA SIZE 34 MOUNTING ARRANGEMENT

OPERATING CONDITIONS:
 THIS LINEAR TRANSLATION TABLE WILL OPERATE AT 2° INCLINE FROM HORIZONTAL AND FACING UP. THE LOADING WILL BE 50 LBS. APPLIED NORMAL TO THE MIDPOINT OF THE TABLE. THE AMBIENT OPERATING TEMPERATURE WILL BE APPROXIMATELY 20°C. THE LUBRICATION WILL BE APPLIED DIRECT.

TESTING AND INSPECTION:
 THIS TABLE IS TO BE ASSEMBLED AND INSPECTED BY THE MANUFACTURER. STRAIGHTNESS, FLATNESS, AND ROLL ARE TO BE MEASURED AT 20mm INTERVALS MINIMUM OVER THE FULL RANGE OF TRAVEL. AN INSPECTION REPORT IS TO BE SUPPLIED AT THE TIME OF SHIPPING OF THE COMPONENT.

2. DIMENSIONS IN BRACKETS [] ARE MILLIMETERS AND ARE FOR REFERENCE ONLY.



SOURCE

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REV	DESCRIPTION	DATE	BY	CHKD	APP'D
4	ADDED DRILL HOLES, REMOVED 3/16" HOLE	RF	C.B.	3/96	
3	ADDED 3/16" HOLE, SLOT, DATUM D	R.K.	C.B.	6/96	
2	7.70" WAS 7.323, 4.359 WAS 3.975	R.K.	C.B.	6/96	
	2.297 WAS 2.038, REMOVED 'O' POS				
1	ADDED 7.245 DIM.	R.K.	C.B.	5/96	
	2.038 WAS 3.023, 3.975 WAS 4.059				

NO.	QTY	DESCRIPTION	UNIT	DATE	BY	CHKD	APP'D
1	1	LINEAR TABLE		1/96			

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SEE NOTE 1
 P4105091508-200001-04