

**25** **06** **06** - **WC1** - **1** - **S021** - **M04** - **C175** - **L01** - **E00** - **B00**

**Table Series**

**Carriage Length**

**06** - 6 inches      **12** - 12 inches

**Travel Length** (see pages I-6 & I-8)

**06** - 6 to 56 inches

**Waycovers**

**WC0** - with no waycovers    **WC1** - with waycovers

**Carriage Inserts** (see pages I-7 & I-9)

**1** - English mount      **2** - Metric mount

**Screw Options** (see pages I-18 to I-21)

Rolled ball screws

**S021** - 1.000 x .250 NPL  
**S022** - 1.000 x .250 PL  
**S023** - 1.000 x .250 NPL(T)  
**S024** - 1.000 x .250 PL(T)  
**S025** - 1.000 x .500 NPL  
**S026** - 1.000 x .500 PL  
**S027** - 1.000 x .500 NPL(T)  
**S028** - 1.000 x .500 PL(T)  
**S029** - 1.000 x 1.000 NPL  
**S030** - 1.000 x 1.000 PL  
**S031** - 1.000 x 1.000 NPL(T)  
**S032** - 1.000 x 1.000 PL(T)

Precision ball screws

**S130** - 1.000 x .200 NPL  
**S131** - 1.000 x .200 PL  
**S132** - 25 x 10 NPL  
**S133** - 25 x 10 PL  
**S134** - 25 x 25 NPL  
**S135** - 25 x 25 PL

Ground ball screws

**S218** - 1.000 x .200 PL  
**S219** - 1.000 x .500 PL  
**S220** - 25 x 25 PL

Rolled acme screws

**S310** - 1.000 x .100 NPL  
**S311** - 1.000 x .100 PL  
**S312** - 1.000 x .200 NPL  
**S313** - 1.000 x .200 PL

**S999** - other

**Motor Mount** (see pages I-7 & I-9, I-24 to I-25)

**M00** - none      **M04** - NEMA 34 mount (E)      **M10** - NEMA 42 mount (E)  
**M05** - NEMA 34 mount (M)      **M11** - NEMA 42 mount (M)  
**M08** - NEMA 34 (RH) wrap      **M12** - NEMA 42 (RH) wrap  
**M09** - NEMA 34 (LH) wrap      **M13** - NEMA 42 (LH) wrap  
**M99** - other

**Coupling Options** (see pages I-22 to I-23)

**C000** - none      **C064 to C068** - C125      **C175 to C182** - H131      **C455 to C462** - G126  
**C999** - other      **C091 to C097** - C150      **C212 to C222** - H163      **C492 to C502** - G158

**Limit & Home Switches** (see pages I-15 to I-17)

<b>L00</b> - no switches		Mechanical	Reed	Hall	Prox (NPN)	Prox (PNP)
<b>L99</b> - other	EOT & home switches	<b>L01</b>	<b>L04</b>	<b>L07</b>	<b>L10</b>	<b>L13</b>
	EOT switches only	<b>L02</b>	<b>L05</b>	<b>L08</b>	<b>L11</b>	<b>L14</b>
	home switch only	<b>L03</b>	<b>L06</b>	<b>L09</b>	<b>L12</b>	<b>L15</b>

**Encoder Options** (see page I-27)

**E00** - none      **E02** - rotary (1000 lines/rev)      **E10** - linear (2500 lines/inch)      **E99** - other  
**E01** - rotary (500 lines/rev)      **E03** - rotary (1270 lines/rev)      **E11** - linear (125 lines/mm)

**Power-off Brakes** (see page I-26)

**B00** - none      **B05** - 24 VDC      **B06** - 90 VDC      **B99** - other

(E) - English Interface      (NPL) - Non Preloaded  
(LH) - Left Hand      (PL) - Preloaded  
(M) - Metric Interface      (RH) - Right Hand  
(T) - Turcite Nut

## Specifications

Load Capacities		6 inch (2 bearing) Carriage		12 inch (4 bearing) Carriage	
<b>Dynamic Horizontal</b>	2 million inches (50 km) of travel	8,300 lbs	( 3765 kg)	16,600 lbs	( 7530 kg)
<b>Dynamic Horizontal</b>	50 million inches (1270 km) of travel	2,830 lbs	( 1284 kg)	5,660 lbs	( 2567 kg)
<b>Static Horizontal</b>		13,600 lbs	( 6169 kg)	27,200 lbs	(12338 kg)
<b>Dynamic Roll Moment</b>	2 million inches (50 km) of travel	1,655 ft-lbs	( 2244 N-m)	3,310 ft-lbs	( 4488 N-m)
<b>Dynamic Roll Moment</b>	50 million inches (1270 km) of travel	560 ft-lbs	( 759 N-m)	1,130 ft-lbs	( 1532 N-m)
<b>Static Roll Moment</b>		2,715 ft-lbs	( 3681 N-m)	5,425 ft-lbs	( 7355 N-m)
<b>Dyn. Pitch &amp; Yaw Moment</b>	2 million inches (50 km) of travel	455 ft-lbs	( 617 N-m)	3,930 ft-lbs	( 5328 N-m)
<b>Dyn. Pitch &amp; Yaw Moment</b>	50 million inches (1270 km) of travel	154 ft-lbs	( 209 N-m)	1,340 ft-lbs	( 1816 N-m)
<b>Static Pitch &amp; Yaw Moment</b>		635 ft-lbs	( 861 N-m)	6,450 ft-lbs	( 8745 N-m)
<b>Each Bearing Dyn. Capacity</b>	2 million inches (50 km) of travel	4,150 lbs	( 1882 kg)	4,150 lbs	( 1882 kg)
<b>Each Bearing Dyn. Capacity</b>	50 million inches (1270 km) of travel	1,415 lbs	( 642 kg)	1,415 lbs	( 642 kg)
<b>Each Bearing Static Load Capacity</b>		6,800 lbs	( 3084 kg)	6,800 lbs	( 3084 kg)
<b>Thrust Force Capacity</b>	10 million screw revolutions	1,685 lbs	( 764 kg)	1,685 lbs	( 764 kg)
<b>Thrust Force Capacity</b>	500 million screw revolutions	455 lbs	( 206 kg)	455 lbs	( 206 kg)
<b>Maximum Acceleration</b>		386 in/sec <sup>2</sup>	( 9,8 m/sec <sup>2</sup> )	772 in/sec <sup>2</sup>	( 19,6 m/sec <sup>2</sup> )
<b>d<sub>1</sub></b>	Center to center distance (spread) between the two rails	6.000 in	(152,4 mm)	6.000 in	(152,4 mm)
<b>d<sub>2</sub></b>	Center to center distance (spacing) of the bearings on a single rail		-	6.730 in	(170,9 mm)
<b>d<sub>r</sub></b>	Center distance of the bearing to top of carriage plate surface	2.180 in	( 55,4 mm)	2.180 in	( 55,4 mm)

Other	For 6 inch (2 bearing) & 12 inch (4 bearing) Carriages
<b>Table Material</b>	Base, Carriage, End Plates, & Cover Plate option - 6061 anodized aluminum
<b>Linear Rail Material</b>	Case Hardened Steel
<b>Screw Material</b> (see pages I-18 to I-21)	Acme Screw - Stainless Steel
<b>Screw Material</b> (see pages I-18 to I-21)	Rolled Ball, Precision Ball, & Ground Ball - Case Hardened Steel
<b>Straightness</b>	< 0.00004 in/in (< 1,02 microns/25mm)
<b>Flatness</b>	< 0.00004 in/in (< 1,02 microns/25mm)
<b>Orthogonality</b> (multi-axis systems)	< 15 arc-seconds
<b>Friction Coefficient</b>	< 0.01
<b>Motor Mount</b>	NEMA 23 & 34 Mounts, Metric Mounts, Motor Wraps, and Hand Crank Option
<b>Coupling</b>	Three (3) different styles available
<b>Waycover Material</b>	Hypilon Polyester Bellows firmly mounted to carriage & end plates

## Dimensions & Specifications

- Without Waycovers -

Model Number	Travel Length inches (mm)	Table Dimensions inches (mm)		Mounting Dimensions inches (mm)			Screw Length inches (mm)	Table Weight <sup>(1)</sup> lbs (kg)
		A	B	C	D	M		
<b>250607-WC0</b>	7.5 (190)	15.25 (387,3)	18.25 (463,5)	2.370 (60,2)	3	8	17.05 (433)	51.8 (23,5)
<b>250614-WC0</b>	14.5 (365)	22.12 (561,8)	25.12 (638,0)	2.310 (58,7)	5	12	23.92 (608)	65.6 (29,8)
<b>250621-WC0</b>	21.5 (545)	29.25 (742,9)	32.25 (819,1)	2.370 (60,2)	7	16	31.05 (789)	80.4 (36,5)
<b>250628-WC0</b>	28.5 (720)	36.12 (917,4)	39.12 (993,6)	2.310 (58,7)	9	20	37.92 (963)	95.2 (43,2)
<b>250635-WC0</b>	35.5 (900)	43.12 (1095,2)	46.12 (1171,4)	2.310 (58,7)	11	24	44.92 (1141)	110.0 (49,9)
<b>250642-WC0</b>	42.5 (1075)	50.12 (1273,0)	53.12 (1349,2)	2.310 (58,7)	13	28	51.93 (1319)	124.8 (56,7)
<b>250656-WC0</b>	56.0 (1420)	64.00 (1625,6)	67.00 (1701,8)	2.250 (57,1)	17	36	65.80 (1671)	153.4 (69,6)
<b>251207-WC0</b>	7.5 (190)	21.25 (539,7)	24.25 (615,9)	1.870 (47,5)	5	12	23.05 (585)	76.8 (34,8)
<b>251214-WC0</b>	14.5 (365)	28.12 (714,2)	31.12 (790,4)	1.810 (46,0)	7	16	29.93 (760)	91.6 (41,5)
<b>251221-WC0</b>	21.5 (545)	35.25 (895,3)	38.25 (971,5)	1.870 (47,5)	9	20	37.05 (941)	106.4 (48,3)
<b>251228-WC0</b>	28.5 (720)	42.12 (1069,8)	45.12 (1146,0)	1.810 (46,0)	11	24	43.92 (1116)	121.2 (55,0)
<b>251235-WC0</b>	35.5 (900)	49.12 (1247,6)	52.12 (1323,8)	1.810 (46,0)	13	28	50.92 (1293)	136.0 (61,7)
<b>251242-WC0</b>	42.5 (1075)	56.12 (1425,4)	59.12 (1501,6)	1.810 (46,0)	15	32	57.92 (1471)	149.8 (67,9)
<b>251256-WC0</b>	56.0 (1420)	70.00 (1778,0)	73.00 (1854,2)	1.750 (44,4)	19	40	71.80 (1824)	179.4 (81,4)

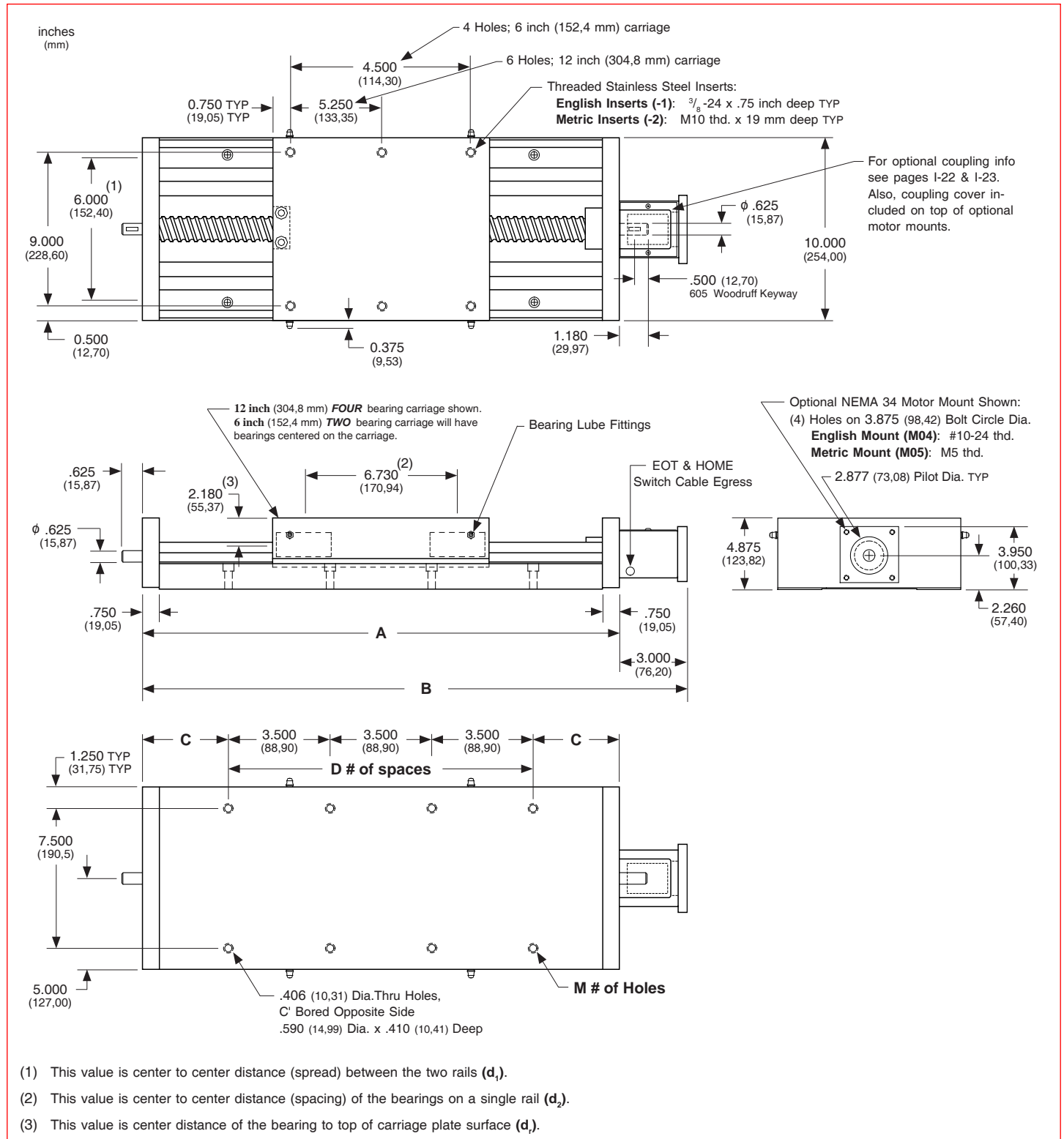
- └ 06 = 6 inch (152,4 mm) carriage length; 2 bearings; carriage weight = 14.0 lbs. (6,35 kg)
- └ 12 = 12 inch (304,8 mm) carriage length; 4 bearings; carriage weight = 26.0 lbs. (11,79 kg)

### Footnotes:

(1) Weight shown is with a 1.000 inch (25 mm) diameter screw, a NEMA 34 motor mount [0.54 lbs (0,24 kg)], and a C125 style [0.22 lbs (0,10 kg)] coupling.

## Dimensions

### - Without Waycovers -



**Note:** Any 250 series table can be mounted on top of any second 250 series, in order to create X-Y multiple axis configurations. The carriage's threaded stainless steel insert hole pattern DOES NOT exactly match the base mounting hole pattern on each table, therefore machining of the bottom axis carriage plate is required. Contact *LINTECH*.

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		A	B	C	D	M		
<b>250606-WC1</b>	6 (150)	15.25 (387,3)	18.25 (463,5)	2.370 (60,2)	3	8	17.05 (433)	54.0 (24,5)
<b>250612-WC1</b>	12 (300)	22.12 (561,8)	25.12 (638,0)	2.310 (58,7)	5	12	23.92 (608)	69.0 (31,3)
<b>250618-WC1</b>	18 (455)	29.25 (742,9)	32.25 (819,1)	2.370 (60,2)	7	16	31.05 (789)	85.0 (38,6)
<b>250624-WC1</b>	24 (605)	36.12 (917,4)	39.12 (993,6)	2.310 (58,7)	9	20	37.92 (963)	101.0 (45,8)
<b>250630-WC1</b>	30 (760)	43.12 (1095,2)	46.12 (1171,4)	2.310 (58,7)	11	24	44.92 (1141)	117.0 (53,1)
<b>250636-WC1</b>	36 (910)	50.12 (1273,0)	53.12 (1349,2)	2.310 (58,7)	13	28	51.93 (1319)	133.0 (60,3)
<b>250648-WC1</b>	48 (1215)	64.00 (1625,6)	67.00 (1701,8)	2.250 (57,1)	17	36	65.80 (1671)	164.0 (74,4)
<b>251206-WC1</b>	6 (150)	21.25 (539,7)	24.25 (615,9)	1.870 (47,5)	5	12	23.05 (585)	79.0 (35,8)
<b>251212-WC1</b>	12 (300)	28.12 (714,2)	31.12 (790,4)	1.810 (46,0)	7	16	29.93 (760)	95.0 (43,1)
<b>251218-WC1</b>	18 (455)	35.25 (895,3)	38.25 (971,5)	1.870 (47,5)	9	20	37.05 (941)	111.0 (50,3)
<b>251224-WC1</b>	24 (605)	42.12 (1069,8)	45.12 (1146,0)	1.810 (46,0)	11	24	43.92 (1116)	127.0 (57,6)
<b>251230-WC1</b>	30 (760)	49.12 (1247,6)	52.12 (1323,8)	1.810 (46,0)	13	28	50.92 (1293)	143.0 (64,9)
<b>251236-WC1</b>	36 (910)	56.12 (1425,4)	59.12 (1501,6)	1.810 (46,0)	15	32	57.92 (1471)	158.0 (71,7)
<b>251248-WC1</b>	48 (1215)	70.00 (1778,0)	73.00 (1854,2)	1.750 (44,4)	19	40	71.80 (1824)	190.0 (86,2)

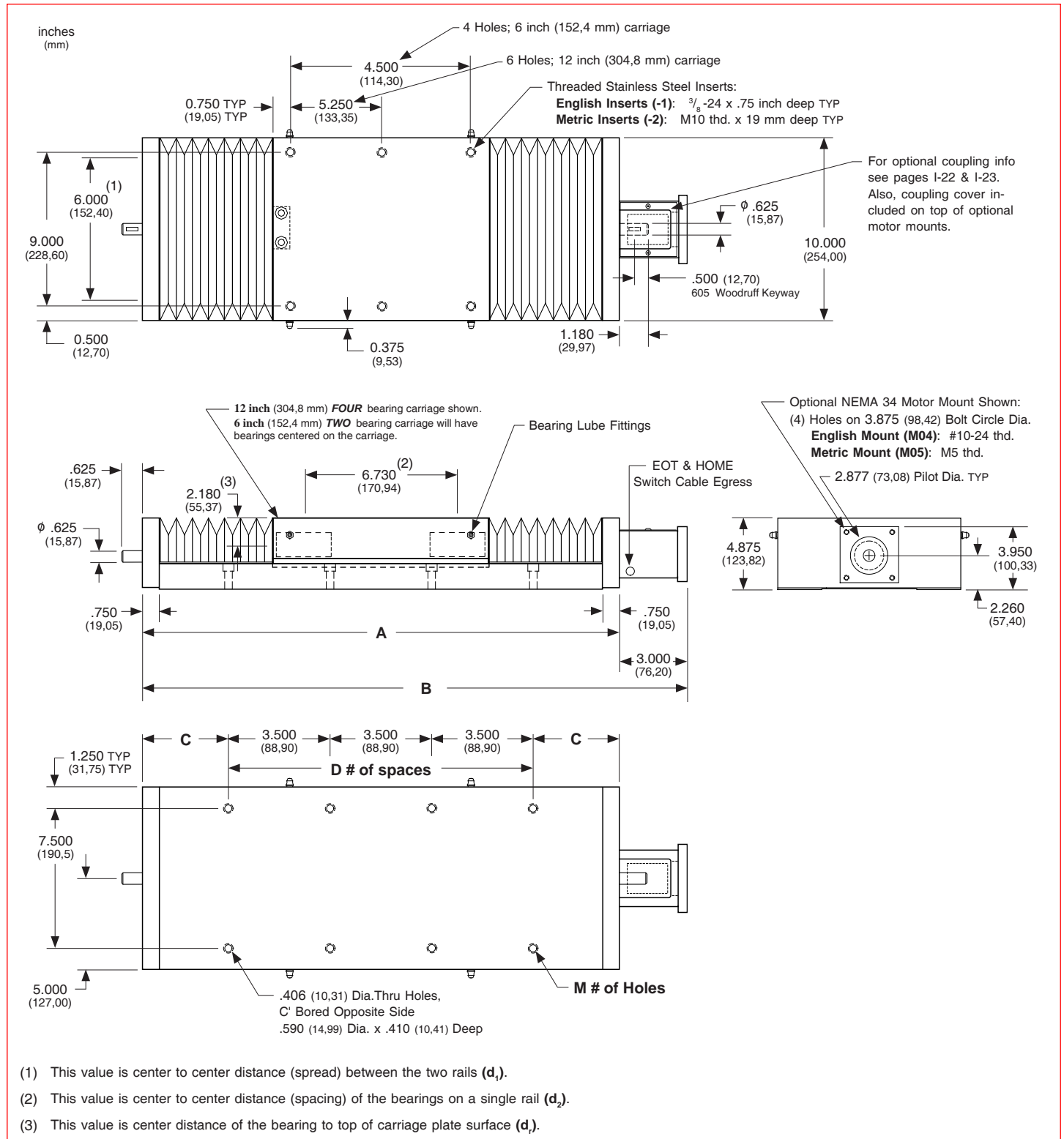
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