

20 06 06 - WC1 - 1 - S013 - M02 - C165 - L01 - E00 - B00

Table Series

Carriage Length

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

Travel Length (see pages H-6 & H-8)

06 - 6 to 55 inches

Waycovers

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

Carriage Inserts (see pages H-7 & H-9)

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

Screw Options (see pages H-18 to H-21)

Rolled ball screws

S013 - .750 x .200 NPL
S014 - .750 x .200 PL
S015 - .750 x .200 NPL(T)
S016 - .750 x .200 PL(T)
S017 - .750 x .500 NPL
S018 - .750 x .500 PL
S019 - .750 x .500 NPL(T)
S020 - .750 x .500 PL(T)

Precision ball screws

S122 - .750 x .200 NPL
S123 - .750 x .200 PL
S124 - 20 x 5 NPL
S125 - 20 x 5 PL
S128 - 20 x 20 NPL
S129 - 20 x 20 PL

Ground ball screws

S216 - .750 x .200 PL
S217 - .750 x .500 PL
S221 - 20 x 5 PL
S222 - 20 x 20 PL

Rolled acme screws

S306 - .750 x .100 NPL
S307 - .750 x .100 PL
S308 - .750 x .200 NPL
S309 - .750 x .200 PL

S999 - other

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

M00 - none

M01 - hand crank

M99 - other

M02 - NEMA 23 mount (E)

M03 - NEMA 23 mount (M)

M04 - NEMA 34 mount (E)

M05 - NEMA 34 mount (M)

M08 - NEMA 34 (RH) wrap

M09 - NEMA 34 (LH) wrap

M10 - NEMA 42 mount (E)

M11 - NEMA 42 mount (M)

M12 - NEMA 42 (RH) wrap

M13 - NEMA 42 (LH) wrap

Coupling Options (see pages H-22 to H-23)

C000 - none

C999 - other

C056 to C063 - C125

C084 to C090 - C150

C165 to C174 - H131

C201 to C211 - H163

C445 to C454 - G126

C481 to C491 - G158

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

L00 - no switches

L99 - other

EOT & home switches

EOT switches only

home switch only

Mechanical

L01

L02

L03

Reed

L04

L05

L06

Hall

L07

L08

L09

Prox (NPN)

L10

L11

L12

Prox (PNP)

L13

L14

L15

Encoder Options (see page H-27)

E00 - none

E01 - rotary (500 lines/rev)

E02 - rotary (1000 lines/rev)

E03 - rotary (1270 lines/rev)

E10 - linear (2500 lines/inch)

E11 - linear (125 lines/mm)

E99 - other

Power-off Brakes (see page H-26)

B00 - none

B03 - 24 VDC

B04 - 90 VDC

B99 - other

(E) - English Interface
 (LH) - Left Hand
 (M) - Metric Interface

(NPL) - Non Preloaded
 (PL) - Preloaded
 (RH) - Right Hand
 (T) - Turcite Nut

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Specifications Subject to Change Without Notice

Specifications

Load Capacities		6 inch (2 bearing) Carriage		12 inch (4 bearing) Carriage	
Dynamic Horizontal	2 million inches (50 km) of travel	4,400 lbs	(1996 kg)	8,800 lbs	(3992 kg)
Dynamic Horizontal	50 million inches (1270 km) of travel	1,500 lbs	(680 kg)	3,000 lbs	(1360 kg)
Static Horizontal		7,600 lbs	(3447 kg)	15,200 lbs	(6895 kg)
Dynamic Roll Moment	2 million inches (50 km) of travel	790 ft-lbs	(1071 N-m)	1,580 ft-lbs	(2142 N-m)
Dynamic Roll Moment	50 million inches (1270 km) of travel	270 ft-lbs	(366 N-m)	540 ft-lbs	(732 N-m)
Static Roll Moment		1,365 ft-lbs	(1851 N-m)	2,730 ft-lbs	(3701 N-m)
Dyn. Pitch & Yaw Moment	2 million inches (50 km) of travel	175 ft-lbs	(237 N-m)	2,485 ft-lbs	(3369 N-m)
Dyn. Pitch & Yaw Moment	50 million inches (1270 km) of travel	58 ft-lbs	(79 N-m)	845 ft-lbs	(1146 N-m)
Static Pitch & Yaw Moment		300 ft-lbs	(407 N-m)	4,300 ft-lbs	(5830 N-m)
Each Bearing Dyn. Capacity	2 million inches (50 km) of travel	2,200 lbs	(998 kg)	2,200 lbs	(998 kg)
Each Bearing Dyn. Capacity	50 million inches (1270 km) of travel	750 lbs	(340 kg)	750 lbs	(340 kg)
Each Bearing Static Load Capacity		3,800 lbs	(1724 kg)	3,800 lbs	(1724 kg)
Thrust Force Capacity	10 million screw revolutions	1,050 lbs	(476 kg)	1,050 lbs	(476 kg)
Thrust Force Capacity	500 million screw revolutions	270 lbs	(122 kg)	270 lbs	(122 kg)
Maximum Acceleration		386 in/sec ²	(9,8 m/sec ²)	772 in/sec ²	(19,6 m/sec ²)
d₁	Center to center distance (spread) between the two rails	5.280 in	(134,1 mm)	5.280 in	(134,1 mm)
d₂	Center to center distance (spacing) of the bearings on a single rail	-		7.870 in	(199,9 mm)
d_r	Center distance of the bearing to top of carriage plate surface	1.900 in	(48,3 mm)	1.900 in	(48,3 mm)

Other	For 6 inch (2 bearing) & 12 inch (4 bearing) Carriages
Table Material	Base, Carriage, End Plates, & Cover Plate option - 6061 anodized aluminum
Linear Rail Material	Case Hardened Steel
Screw Material (see pages H-18 to H-21)	Acme Screw - Stainless Steel
Screw Material (see pages H-18 to H-21)	Rolled Ball, Precision Ball, & Ground Ball - Case Hardened Steel
Straightness	< 0.00004 in/in (< 1,02 microns/25mm)
Flatness	< 0.00004 in/in (< 1,02 microns/25mm)
Orthogonality (multi-axis systems)	< 15 arc-seconds
Friction Coefficient	< 0.01
Motor Mount	NEMA 23 & 34 Mounts, Metric Mounts, Motor Wraps, and Hand Crank Option
Coupling	Three (3) different styles available
Waycover Material	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 ⁽¹⁾ Weight lbs (kg)
		A	B	C	D	M		
200607-WC0	7 (175)	14.75 (374,6)	17.25 (438,1)	2.120 (53,8)	3	8	16.37 (416)	38.3 (17,4)
200614-WC0	14 (355)	21.62 (549,1)	24.12 (612,6)	2.060 (52,3)	5	12	23.24 (590)	47.4 (21,5)
200621-WC0	21 (530)	28.50 (723,9)	31.00 (787,4)	2.000 (50,8)	7	16	30.12 (765)	56.5 (25,6)
200628-WC0	28 (710)	35.25 (895,3)	37.75 (958,8)	1.870 (47,5)	9	20	36.87 (936)	65.6 (29,8)
200635-WC0	35 (885)	42.25 (1073,1)	44.75 (1136,6)	1.870 (47,5)	11	24	43.87 (1114)	74.7 (33,9)
200641-WC0	41 (1040)	49.00 (1244,6)	51.50 (1308,1)	1.750 (44,4)	13	28	50.62 (1286)	83.8 (38,0)
200655-WC0	55 (1395)	62.75 (1593,8)	65.25 (1657,3)	1.620 (41,1)	17	36	64.37 (1635)	100.0 (45,4)
201207-WC0	7 (175)	20.75 (527,0)	23.25 (590,5)	1.620 (41,1)	5	12	22.37 (568)	54.3 (24,6)
201214-WC0	14 (355)	27.62 (701,5)	30.12 (765,0)	1.560 (39,6)	7	16	29.24 (743)	63.4 (28,8)
201221-WC0	21 (530)	34.50 (876,3)	37.00 (939,8)	1.500 (38,1)	9	20	36.12 (917)	72.5 (32,9)
201228-WC0	28 (710)	41.25 (1047,7)	43.75 (1111,2)	1.370 (34,8)	11	24	42.87 (1089)	81.6 (37,0)
201235-WC0	35 (885)	48.25 (1225,5)	50.75 (1289,0)	1.370 (34,8)	13	28	49.87 (1267)	90.7 (41,1)
201241-WC0	41 (1040)	55.00 (1397,0)	57.50 (1460,5)	1.250 (31,7)	15	32	56.62 (1438)	99.8 (45,3)
201255-WC0	55 (1395)	68.75 (1746,2)	71.25 (1809,7)	1.120 (28,4)	19	40	70.37 (1787)	117.0 (53,1)

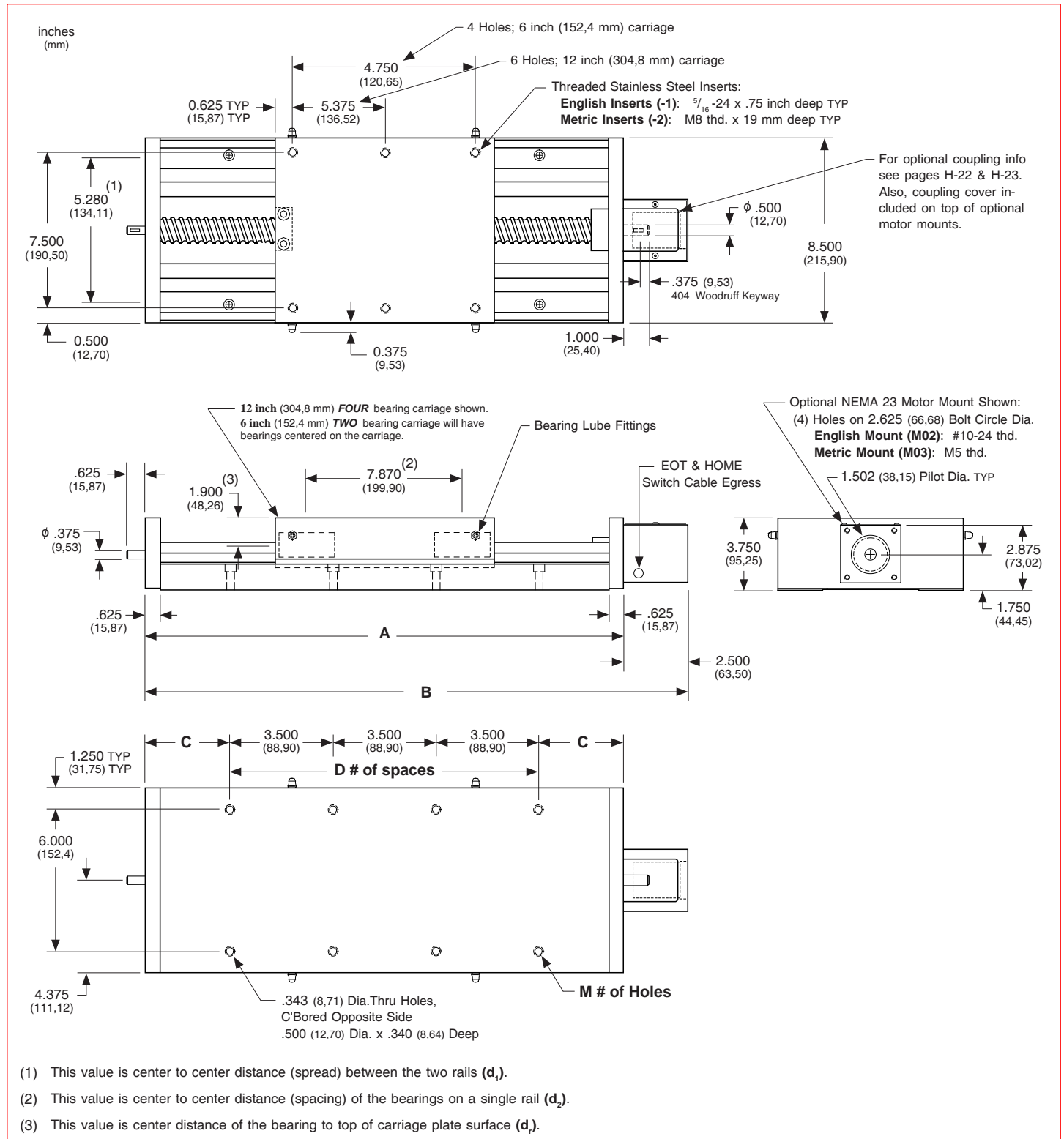
- └ 06 = 6 inch (152,4 mm) carriage length; 2 bearings; carriage weight = 11.0 lbs. (4,99 kg)
- └ 12 = 12 inch (304,8 mm) carriage length; 4 bearings; carriage weight = 19.0 lbs. (8,62 kg)

Footnotes:

(1) Weight shown is with a 0.750 inch (20 mm) diameter screw, a NEMA 23 motor mount [0.34 lbs (0,16 kg)], and a C125 style [0.22 lbs (0,10 kg)] coupling.

Dimensions

- Without Waycovers -



Note: Any 200 series table can be mounted on top of any second 200 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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Dimensions & Specifications

- With Waycovers -

Model Number	Travel Length inches (mm)	Table Dimensions inches (mm)		Mounting Dimensions inches (mm)			Screw Length inches (mm)	Table ⁽¹⁾ Weight lbs (kg)
		A	B	C	D	M		
200606-WC1	6 (150)	14.75 (374,6)	17.25 (438,1)	2.120 (53,8)	3	8	16.37 (416)	40.0 (18,1)
200612-WC1	12 (300)	21.62 (549,1)	24.12 (612,6)	2.060 (52,3)	5	12	23.24 (590)	50.0 (22,7)
200618-WC1	18 (455)	28.50 (723,9)	31.00 (787,4)	2.000 (50,8)	7	16	30.12 (765)	60.0 (27,2)
200624-WC1	24 (605)	35.25 (895,3)	37.75 (958,8)	1.870 (47,5)	9	20	36.87 (936)	70.0 (31,8)
200630-WC1	30 (760)	42.25 (1073,1)	44.75 (1136,6)	1.870 (47,5)	11	24	43.87 (1114)	80.0 (36,3)
200636-WC1	36 (910)	49.00 (1244,6)	51.50 (1308,1)	1.750 (44,4)	13	28	50.62 (1286)	90.0 (40,8)
200648-WC1	48 (1215)	62.75 (1593,8)	65.25 (1657,3)	1.620 (41,1)	17	36	64.37 (1635)	108.0 (49,0)
201206-WC1	6 (150)	20.75 (527,0)	23.25 (590,5)	1.620 (41,1)	5	12	22.37 (568)	56.0 (25,4)
201212-WC1	12 (300)	27.62 (701,5)	30.12 (765,0)	1.560 (39,6)	7	16	29.24 (743)	66.0 (29,9)
201218-WC1	18 (455)	34.50 (876,3)	37.00 (939,8)	1.500 (38,1)	9	20	36.12 (917)	76.0 (34,5)
201224-WC1	24 (605)	41.25 (1047,7)	43.75 (1111,2)	1.370 (34,8)	11	24	42.87 (1089)	86.0 (39,0)
201230-WC1	30 (760)	48.25 (1225,5)	50.75 (1289,0)	1.370 (34,8)	13	28	49.87 (1267)	96.0 (43,6)
201236-WC1	36 (910)	55.00 (1397,0)	57.50 (1460,5)	1.250 (31,7)	15	32	56.62 (1438)	106.0 (48,1)
201248-WC1	48 (1215)	68.75 (1746,2)	71.25 (1809,7)	1.120 (28,4)	19	40	70.37 (1787)	125.0 (56,7)

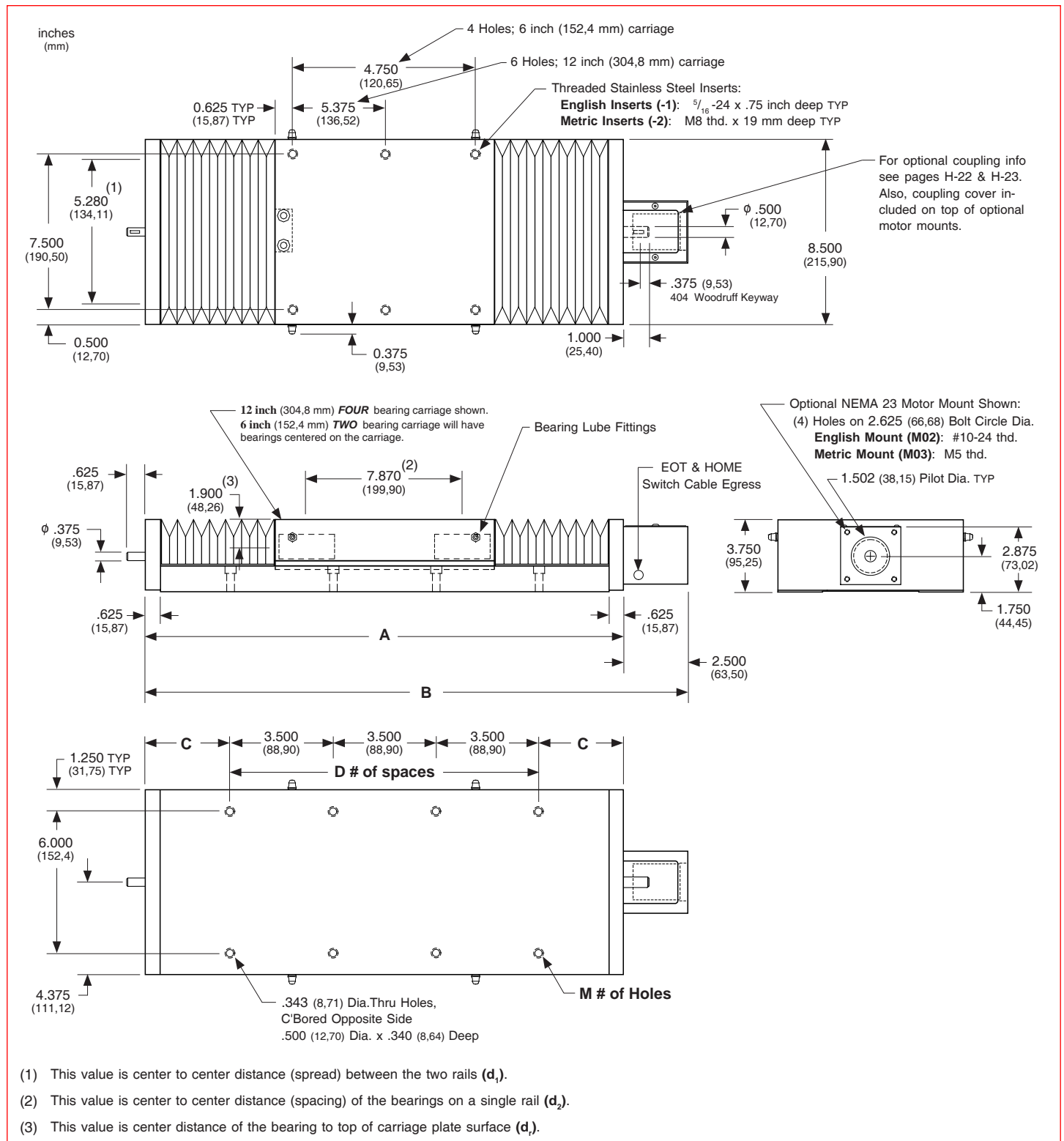
- └ 06 = 6 inch (152,4 mm) carriage length; 2 bearings; carriage weight = 11.0 lbs. (4,99 kg)
- └ 12 = 12 inch (304,8 mm) carriage length; 4 bearings; carriage weight = 19.0 lbs. (8,62 kg)

Footnotes:

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Dimensions

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