

Modelo
2250

GRUA CELOSIA

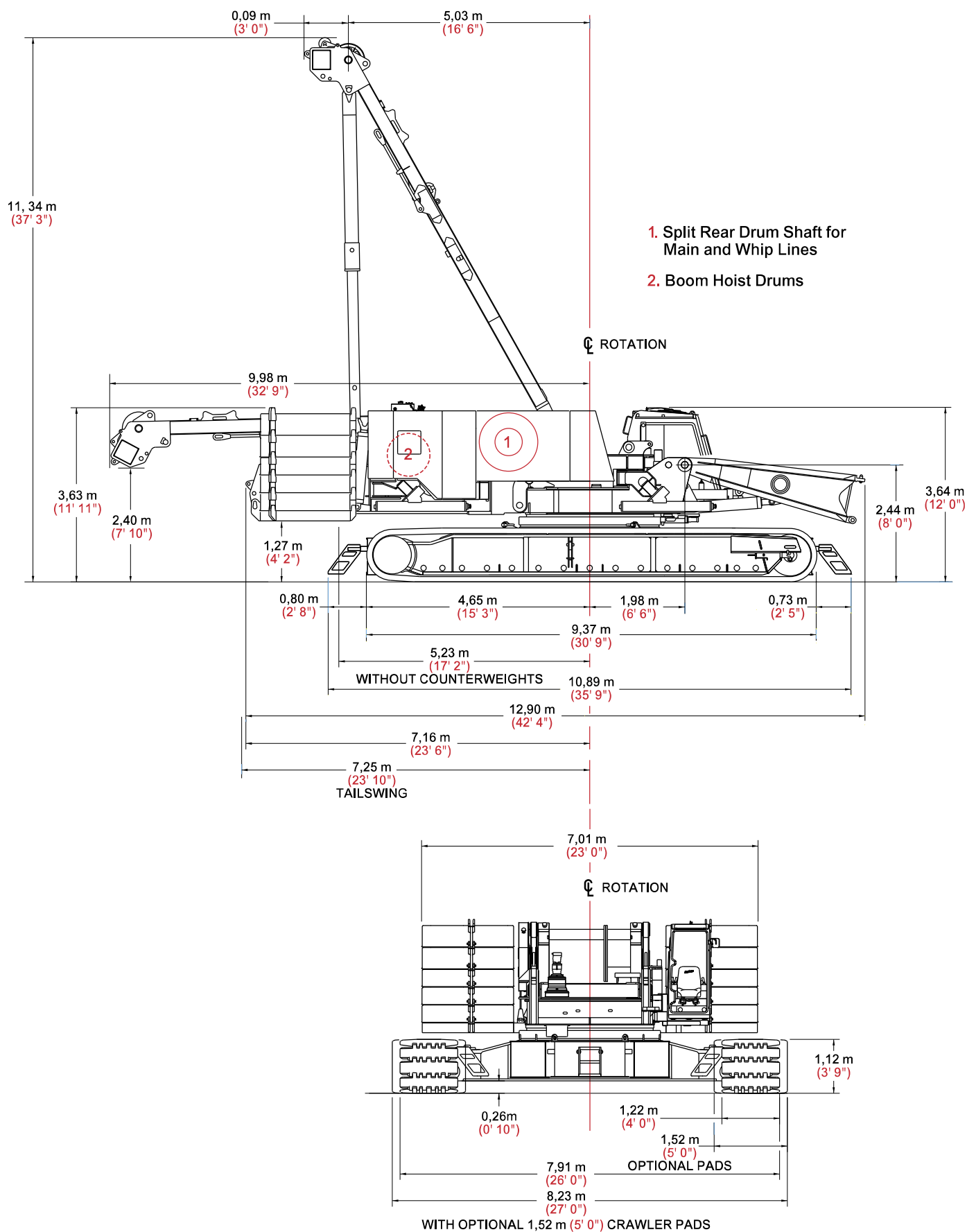


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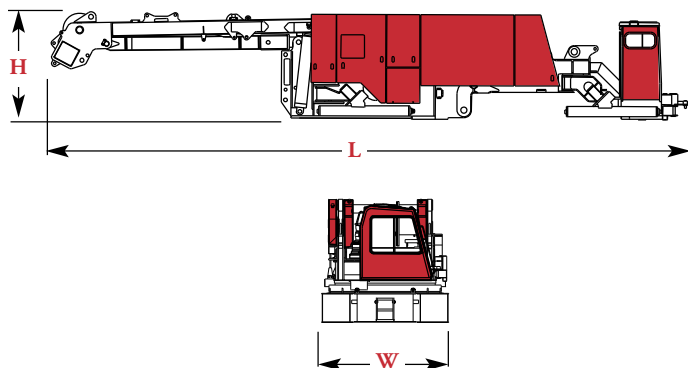
ESPECIFICACIONES

Marca	Manitowoc
Modelo	2250
Serie	2251332
Capacidad	300 ton
Año fabricación	2010
Sistema	EPIC
Nro de Winches	4
Motores hidraulicos	2
Motor	Cummins QSX15-500
Pluma pricipal	#58
Longitud pluma pricipal	67.1 m (220 pies)
Lufing Jib (Serie: 2255058)	#133A
Longitud Lufing Jib	61.0 m (200 pies)
Fixed Jib (Serie: 172680)	#140
Longitud Fixed Jib	36.6 m (120 pies)
Contrapeso de grua	113040 Kg
Contrapeso de plataforma	54430 Kg
Area de trabajo	360 grados
Elevacion de boom	0 a 82 grados
Capacidad del tanque combustible	170 galones (644 l)
Capacidad del tanque hidraulico	112 galones (424 l)
Accesorios	- Gancho 165 ton - Gancho 45 ton - Gancho 15 ton (Bola)

DIMENSIONES



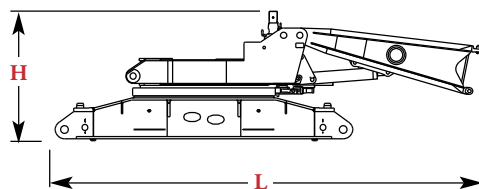
DIMENSIONES



Upperworks Module x 1

Length	13,16 m	43' 2"
Width	3,00 m	9' 10"
Height	2,18 m	7' 2"
Weight	38 563 kg	85,020 lb

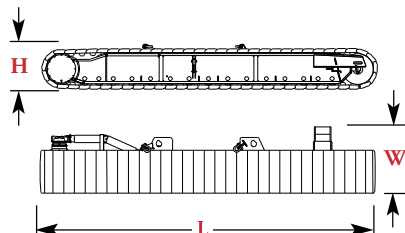
Note: Weight includes rotating bed rear section, diesel power plant, operator's cab, gantry, gantry lifting cylinders, boom hoist with wire rope, equalizer, split rear drum shaft with hoist and whip lines, optional self assembly jacks, full hydraulic fluid reservoir, and half tank of fuel.



Carbody, Rotating Module & Lower Boom Butt 3,7 m (12') x 1

Length	8,81 m	28' 11"
Width	2,95 m	9' 8"
Height	2,63 m	8' 8"
Weight	29 187 kg	64,350 lb

Note: Weight includes turntable bearing, one swing drive, rotating union, 3,7 m (12' 0") lower boom butt, optional boom-butt handling cylinder, and four carbody support pedestals.



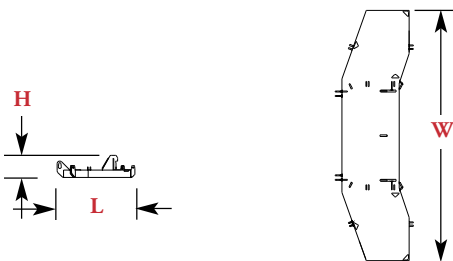
Crawlers x 2

Length	9,37 m	30' 9"
Width	2,21 m	7' 3"
Height	1,26 m	4' 2"
Weight	24 412 kg	53,820 lb



Upper Center Counterweight x 1

Length	2,08 m	6' 10"
Width	2,72 m	8' 11"
Height	1,27 m	4' 2"
Weight	16 782 kg	37,000 lb



Counterweight Tray x 1

Length	2,19 m	7' 2"
Width	6,99 m	22' 11"
Height	0,64 m	2' 1"
Weight	17 742 kg	39,115 lb

Note: Weight includes lifting frames.

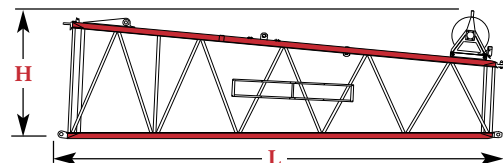
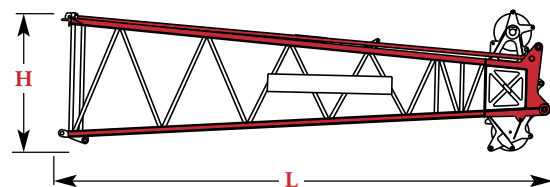
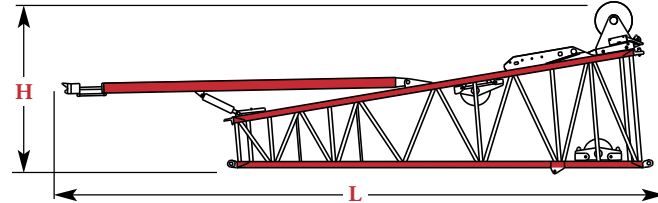
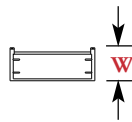
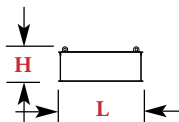
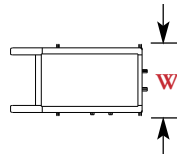
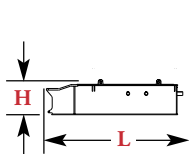
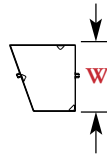
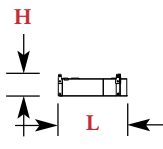


Side Counterweight x 6

Length	2,01 m	6' 7"
Width	1,93 m	6' 4"
Height	0,48 m	1' 7"
Weight	7 030 kg	15,500 lb

Note: Three each of left- and right-side configurations required.

DIMENSIONES



Side Counterweight

Series 2, 3

x 2, 4

Length	2,01 m	6' 7"
Width	1,93 m	6' 4"
Height	0,58 m	1' 11"
Weight	9 071 kg	20,000 lb

Note: Left- and right-side configurations are required.

Carbody Center Counterweight

Series 2, 3

x 2

Length	3,45 m	11' 4"
Width	1,80 m	5' 11"
Height	0,89 m	2' 11"
Weight	13 607 kg	30,000 lb

Carbody Side Counterweight

Series 3

x 4

Length	2,18 m	7' 2"
Width	0,86 m	2' 10"
Height	0,89 m	2' 11"
Weight	6 803 kg	15,000 lb

No. 44 Upper Boom Butt 8,5 m (28') & Wire Rope Guide, Boom Stop x 1

Length	11,94 m	39' 2"
Width	2,59 m	8' 6"
Height	3,45 m	11' 4"
Weight	5 194 kg	11,450 lb

No. 44 Boom Top 9,1 m (30') & Wire Rope Guide, Straps, Lower Point x 1

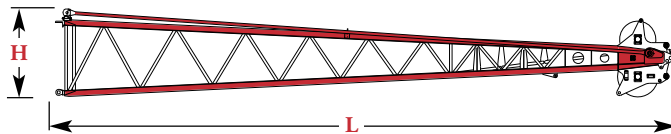
Length	10,06 m	33' 0"
Width	2,59 m	8' 6"
Height	2,90 m	9' 6"
Weight	5 657 kg	12,475 lb

No. 44 Long Reach Transition Insert 9,1 m (30') & Wire Rope Guide, Straps x 1

Length	9,63 m	31' 7"
Width	2,59 m	8' 6"
Height	2,64 m	8' 8"
Weight	2 179 kg	4,805 lb

Note: Must specify if to be used with pin or FACT™ connections for long reach boom top.

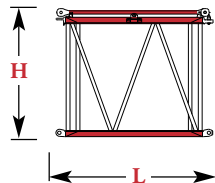
DIMENSIONES



No. 44 Long Reach Boom Top 12,2 m (40') & Wire Rope Guide, Lower Point, Straps x 1

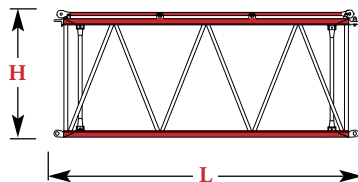
Length	13,06 m	42' 10"
Width	2,08 m	6' 10"
Height	1,83 m	6' 0"
Weight	3 529 kg	7,785 lb

Note: Can be used as No. 133A or No. 133 luffing jib top.



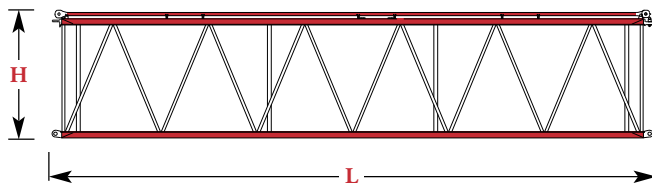
No. 44 Boom Insert 3,0 m (10') & Straps x 1, 2

Length	3,23 m	10' 7"
Width	2,59 m	8' 6"
Height	2,59 m	8' 6"
Weight	1 015 kg	2,240 lb



No. 44 Boom Insert 6,1 m (20') & Straps x 1, 2

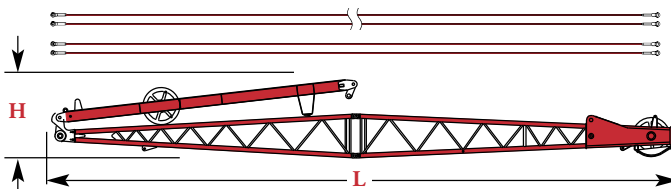
Length	6,28 m	20' 7"
Width	2,59 m	8' 6"
Height	2,59 m	8' 6"
Weight	1 724 kg	3,805 lb



No. 44 Boom Insert 12,2 m (40') & Straps x 1, 2, 3, 4, 5

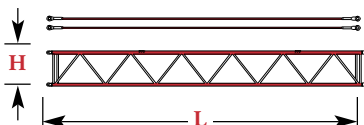
Length	12,38 m	40' 7"
Width	2,59 m	8' 6"
Height	2,59 m	8' 6"
Weight	2 946 kg	6,500 lb
Light Weight	2 415 kg	5,330 lb

Note: One light weight insert required for lengths above 82,3 m (270') with heavy-lift top or for lengths above 88,4 m (290') with long-reach top.



No. 132 Fixed Jib 12,2 m (40') & Strut, Pendants x 1

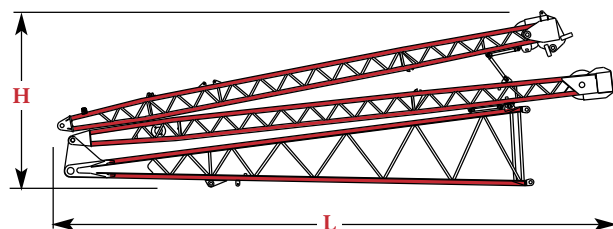
Length	12,78 m	41' 11"
Width	1,22 m	4' 0"
Height	1,60 m	5' 3"
Weight	2 604 kg	5,740 lb



No. 132 Jib Insert 6,1 m (20') & Pendants x 1, 2, 3, 4

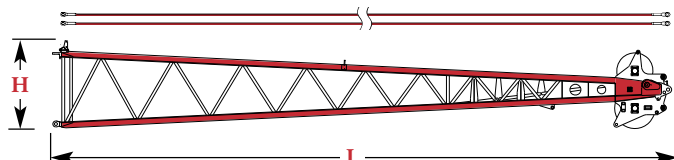
Length	6,25 m	20' 6"
Width	1,22 m	4' 0"
Height	0,91 m	3' 0"
Weight	466 kg	1,030 lb

DIMENSIONES



No. 133A or 133 Luffing Jib Butt 9,1 m (30') & Struts x 1

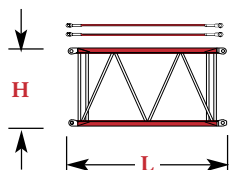
Length	11,21 m	36' 10"
Width	2,07 m	6' 10"
Height	3,46 m	11' 4"
Weight	7 793 kg	17,180 lb



No. 133A or 133 Luffing Jib Top 12,2 m (40') & Wire Rope Guide, Lower Point, Pendants x 1

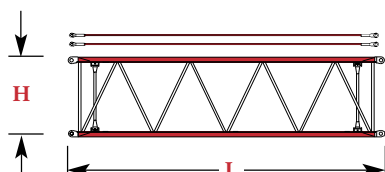
Length	13,06 m	42' 10"
Width	2,08 m	6' 10"
Height	1,65 m	5' 5"
Weight	3 649 kg	8,045 lb

Note: Can be used as long-reach top for No. 44 boom when combined with No. 44 long-reach transition insert 9,1 m (30').



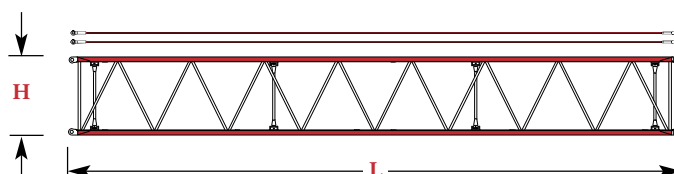
No. 133A or 133 Luffing Jib Insert 3,0 m (10') & Pendants x 1

Length	3,18 m	10' 5"
Width	2,07 m	6' 10"
Height	1,65 m	5' 5"
Weight	559 kg	1,235 lb



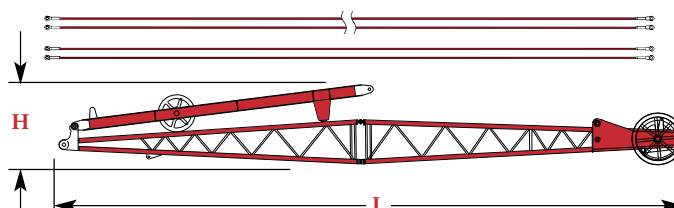
No. 133A or 133 Luffing Jib Insert 6,1 m (20') & Pendants x 1

Length	6,22 m	20' 5"
Width	2,07 m	6' 10"
Height	1,65 m	5' 5"
Weight	960 kg	2,120 lb



No. 133A or 133 Luffing Jib Insert 12,2 m (40') & Pendants x 1

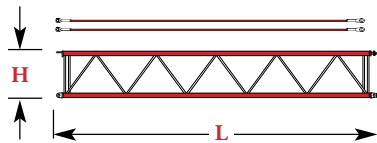
Length	12,32 m	40' 5"
Width	2,07 m	6' 10"
Height	1,65 m	5' 5"
Weight	1 712 kg	3,780 lb



No. 140 Fixed Jib 12,2 m (40') & Strut, Pendants x 1

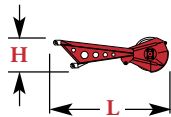
Length	12,78 m	41' 11"
Width	1,22 m	4' 0"
Height	1,63 m	5' 4"
Weight	2 975 kg	6,558 lb

DIMENSIONES



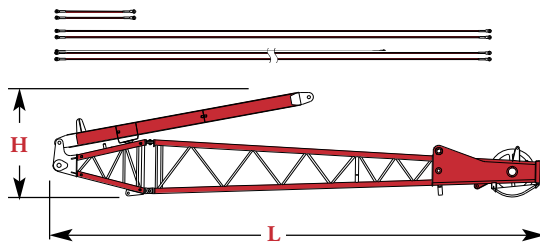
No. 140 Jib Insert 6,1 m (20') & Pendants x 1, 2, 3, 4

Length	6,20 m	20' 4"
Width	1,22 m	4' 0"
Height	0,91 m	3' 0"
Weight	467 kg	1 030 lb



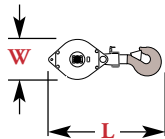
Upper Boom Point x 1

Length	2,64 m	8' 8"
Width	0,41 m	1' 4"
Height	0,81 m	2' 8"
Weight	421 kg	930 lb



Extended Upper Boom Point 6,1 m (25') & Strut, Pendants x 1

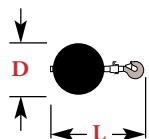
Length	8,28 m	27' 2"
Width	1,22 m	4' 0"
Height	1,80 m	5' 11"
Weight	2 381 kg	5,250 lb



Hook block for 28 mm (1-1/8") wire rope

Capacity	272 mt	300 t	Length	2,41 m	7' 11"
Weight	4 268 kg	9,410 lb	Width	1,14 m	3' 9"
Capacity	91 mt	100 t	Length	1,98 m	6' 6"
Weight	1 770 kg	3,900 lb	Width	0,89 m	2' 11"
Capacity	54 mt	60 t	Length	1,80 m	5' 11"
Weight	921 kg	2,030 lb	Width	0,89 m	2' 11"
Capacity	41 mt*	45 t*	Length	1,83 m	6' 0"
Weight	1 179 kg	2,600 lb	Width	0,91 m	3' 0"

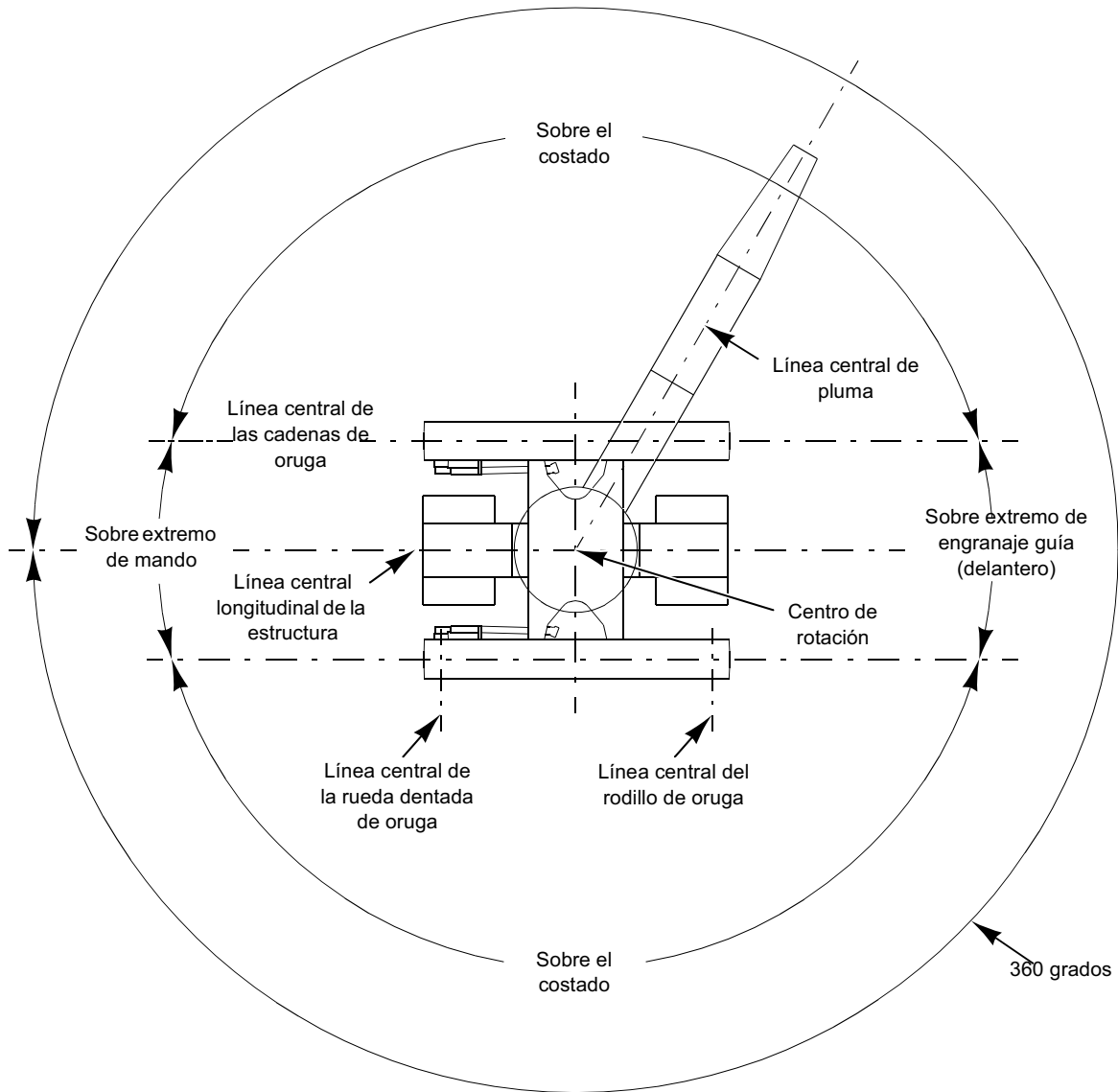
*Assembly block



Weight Ball

Capacity/Swivel	13,5 mt	15 t	Diameter	0,46 m	1' 6"
Weight	594 kg	1,310 lb	Length	1,22 m	4' 0"

DIAGRAMA DE CARGA



Se ilustra la 2250 SERIE 3

Estas líneas determinan la posición limitadora de cualquier carga al trabajar dentro de las zonas indicadas.

Las zonas de funcionamiento aprobadas para las máquinas sobre orugas se ilustran en el diagrama de arriba.

Se permiten los trabajos de elevación solamente en las zonas para las cuales se ilustran capacidades en las tablas de capacidades.

DIAGRAMA DE CARGA

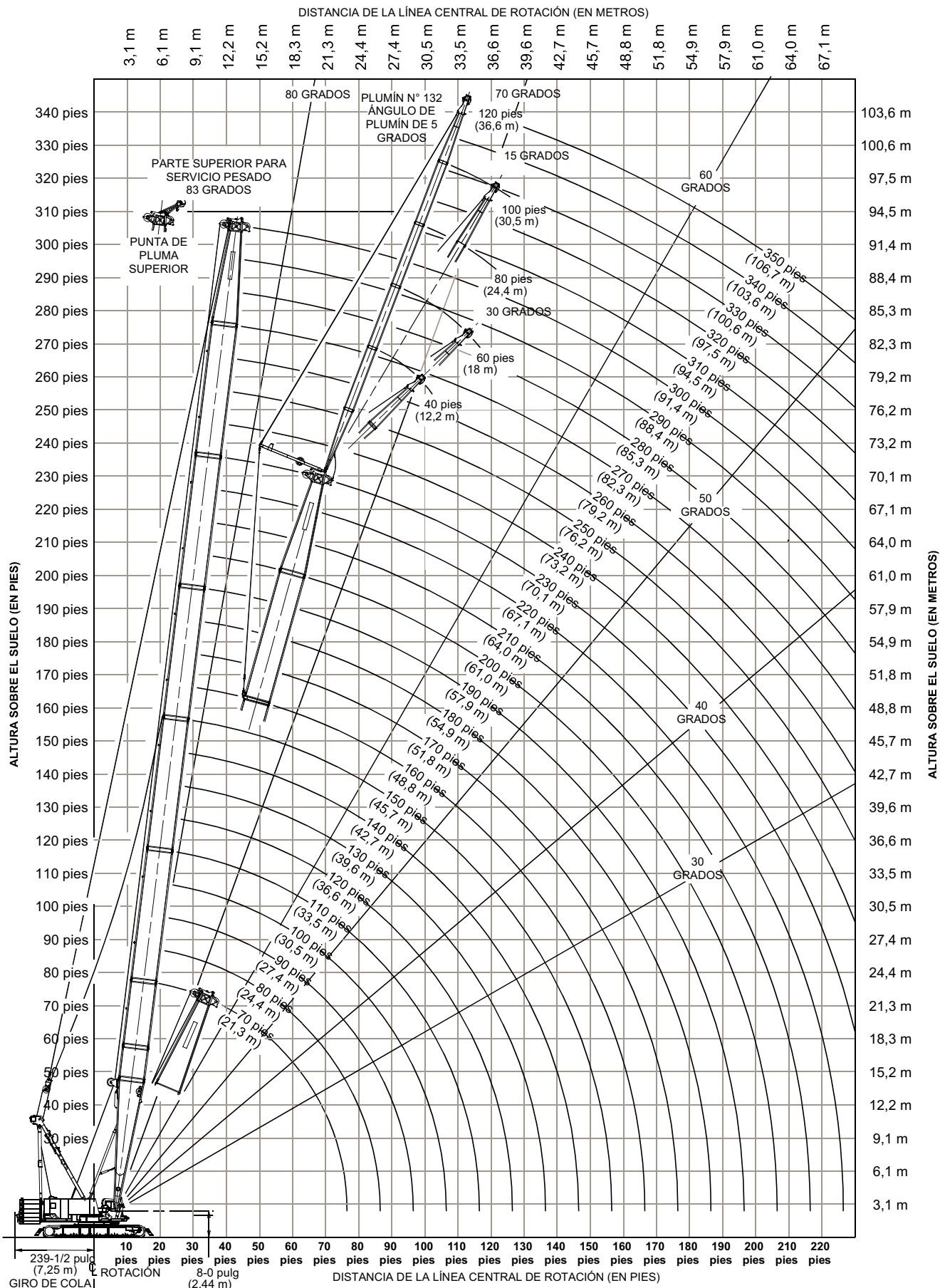


DIAGRAMA DE CARGA

NOTA 1: ESTE DIBUJO ES SOLAMENTE UNA GUÍA PARA FACILITAR LA PLANIFICACIÓN DE LOS TRABAJOS.

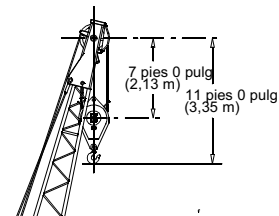
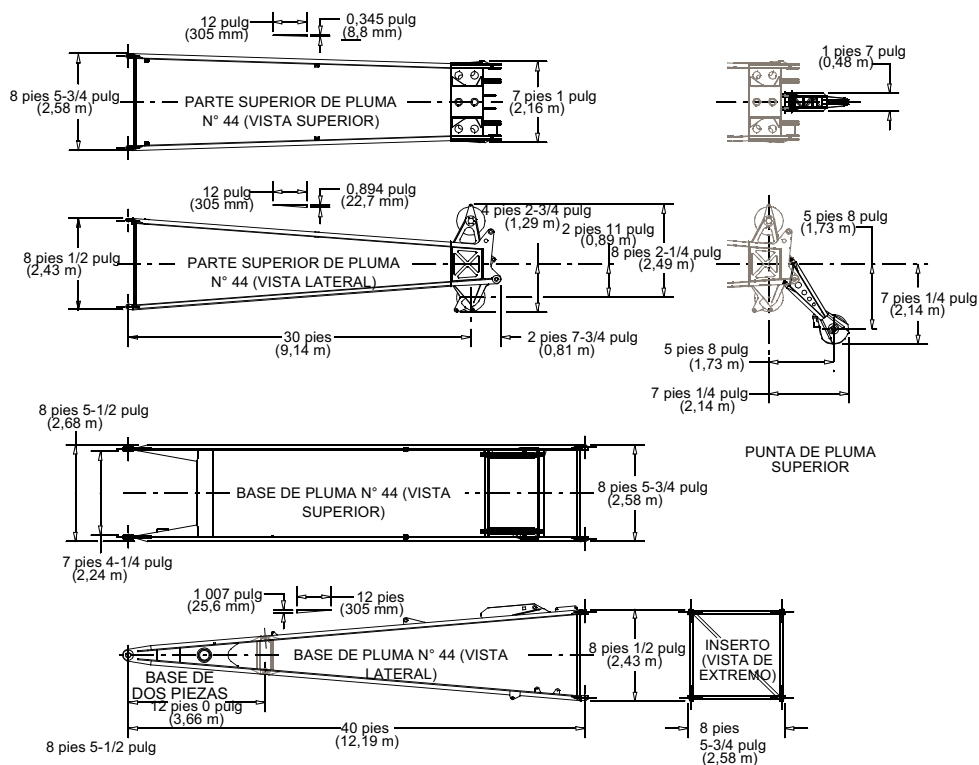
NOTA 2: PARA PLANIFICAR UN TRABAJO DE ELEVACIÓN, UTILICE ESTE DIBUJO JUNTO CON LAS TABLAS DE CAPACIDADES, LA TABLA DE ALCANCE, LAS ESPECIFICACIONES DE CABLE DE CARGA, EL DIBUJO DE APAREJOS Y LAS ILUSTRACIONES DE DIMENSIONES APROPIADAS.

NOTA 3: PARA TRABAJOS DE ELEVACIÓN EN CONDICIONES DE ESPACIO LIMITADO Y QUE NECESITAN MUCHA PRECISIÓN, HAY QUE PREPARAR UN PLAN DETALLADO.

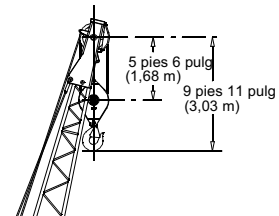
NOTA 4: LA DISTANCIA MÍNIMA ENTRE EL BLOQUE DE CARGA DE MANITOWOC Y LA PUNTA DE LA PLUMA ES CONTROLADA POR EL ÁNGULO DE DESVÍO DE 2-1/2 GRADOS O POR LIMITACIONES FÍSICAS.

NOTA 5: CUANDO LA GRÚA TIENE EL CONTROL DE LÍMITE DE ELEVACIÓN, LA DISTANCIA MÍNIMA ENTRE EL BLOQUE DE CARGA Y LA PUNTA DE LA PLUMA PUEDE EXCEDER LA DISTANCIA INDICADA. CONSULTE EL MANUAL DEL OPERADOR PARA EL TEMA "CONTROL DE LÍMITE DE ELEVACIÓN".

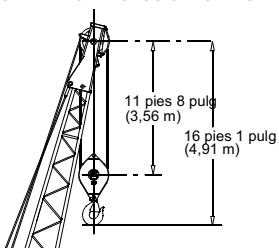
NOTA 6: ÁNGULO MÁXIMO DE 83 GRADOS EN PLUMA N° 44 CON PARTE SUPERIOR PARA SERVICIO PESADO



DISTANCIA MÍNIMA DE BLOQUE DE 30 TONELADAS A PUNTA DE PLUMÍN PLUMÍN N° 132 - 2 SECCIONES DE CABLE

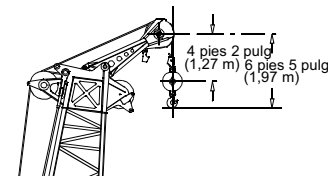


DISTANCIA MÍNIMA DE BLOQUE DE 60 TONELADAS SIN PLACAS LATERALES A PUNTA DEL PLUMÍN PLUMÍN N° 132 - 4 SECCIONES DE CABLE

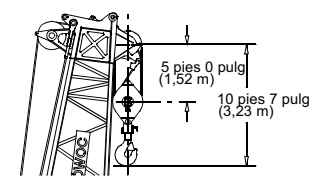


DISTANCIA MÍNIMA DE BLOQUE DE 60 TONELADAS CON PLACAS LATERALES A PUNTA DEL PLUMÍN PLUMÍN N° 132 - 4 SECCIONES DE CABLE

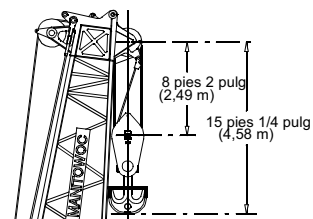
LAS MEDICIONES DE DISTANCIA MÍNIMA SUPONEN UN ÁNGULO DE PLUMÍN DE 76°.



DISTANCIA MÍNIMA DE GANCHO GIRATORIO DE 15 TONELADAS Y BOLA A PUNTA DE PLUMA SUPERIOR PLUMA N° 44 - 1 SECCIÓN DE CABLE



DISTANCIA MÍNIMA DE BLOQUE DE 100 TONELADAS A PUNTA DE LA PLUMA PLUMA N° 44 - 6 SECCIONES DE CABLE



DISTANCIA MÍNIMA DE BLOQUE DE 300 TONELADAS A PUNTA DE LA PLUMA PLUMA N° 44 - 18 SECCIONES DE CABLE

LAS MEDICIONES DE DISTANCIA MÍNIMA SUPONEN UN ÁNGULO DE PLUMA DE 83°