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Manual # 99906328

2530L

Technical Specifications

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Table of Contents

Section - 1	Specifications	1
2530L - Specifications		2
2530L - Specifications - Continued		3
2530L - Metric Specifications		4
2530L - Metric Specifications- continued		5
Section - 2	Capacity Charts	7
2530L - Lifting Capacity Chart, L3.....		9
2530L - Lifting Capacity Chart, L4.....		10
2530L - Lifting Capacity Chart, L5.....		11
2530L - Lifting Capacity Chart, L2-L5		12
SECTION - 3	Technical Data	13
2530L - Dimension Sketch		14
2530L - Slewing Radius		15
2530L - Dimension Sketch - Truck Mounted Loader		16
2530L - Lifting Height, Column.....		17
2530L - Dimension Sketch, Fixed Stabilizer Legs.....		18
2530L - Dimension Sketch, Swing-Up Stabilizer Legs 20° - 60°		20
2530L - Dimension Sketch, Swing-Up Stabilizer Legs 20° - 60°		21
2530L - Dimension Sketch, Swing-Up Stabilizer Legs 180°		22
2530L - Dimension Sketch, TS		24
2530L - Dimension Sketch, TS Top Seat (Danfoss X)		25
2530L - Dimension Sketch, TS (HC X)		26
2530L - Dimension Sketch, Ladder TS		27
2530L - Dimension Sketch, Internal Hose Routing		28
2530L - Stowed in Truck Body		29
2530L - Dimension Sketch for Connecting Link		30
2530L - Center of Gravity		32

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2530L Technical Specifications

Section - 1

2530L - Specifications

Performance	Unit	2530L 2	2530L 3	2530L 4	2530L 5
Loading group (EN12999)		HD5/B3			
Load moment	ft-lb	170349	165296	160965	157356
Hydraulic reach	ft	30'8"	37'7"	43'9"	50'5"
Hydraulic telescopic movement	ft	12.6	19.2	25.2	31'4"
Lifting capacity, hydraulic	lb-ft	9546-17'7" 7010-23'9" 5511-30'5"	9149-18'0" 6635-24'2" 5158-30'8" 4210-37'4"	8796-18'3" 6327-24'6" 4872-30'8" 3924-37'4" 3351-43'6"	8487-18'7" 6062-24'9" 4607-31'1" 3681-37'7" 3108-43'9" 2689-50'2"
Slewing torque, gross	lb-ft	19987	19987	19987	19987
Slewing angle	°	450	450	450	450
Max. heel at max. load	°	5	5	5	5
Slewing speed	°/s	24	24	24	24

Dimensions	Unit	2530L 2	2530L 3	2530L 4	2530L 5
Height above chassis	in	102			
Width	in	98			
Length, no extra valves	in	32			
Stabilizer spread, S1 (standard)	ft	18'3"			
Stabilizer spread, D	ft	21'1"			

2530L - Specifications - Continued

Weights, basic loader	Unit	2530L 2	2530L 3	2530L 4	2530L 5
Standard loader 1), excl. stabilizers	lb	4442	4784	5125	5434
Stabilizers, S1 fixed	lb	639			
Stabilizers, S1 swing-up	lb	650			
Stabilizers, S1 hyd. swing-up	lb	661			
Stabilizers, D fixed	lb	804			
Stabilizers, D swing-up	lb	815			
Stabilizer, D hyd. swing-up	lb	826			
Mounting kit, 4 bolts	lb	143			
Mounting kit, 8 bolts	lb	132			
Oil in loader	lb	88	99	110	121

1) Weights $\pm$ 5% because of tolerances for plate thickness

Weights, equipment	Unit	2530L 2	2530L 3	2530L 4	2530L 5
Top seat (TS)	lb	198			
Top seat ladder	lb	44			
2 extra valves, hose guides	lb	165	198	231	264
2 extra valves, int. hose routing	lb	286	286		
High-pressure filter	lb	15			
Oil cooler	lb	55			

Max. Load on stabilizers (per stabilizer cylinder)	Unit	2530L 2	2530L 3	2530L 4	2530L 5
S1, fixed	Lbf 10 ³	27			
S1, swing-up	Lbf 10 ³	27			
S1, hyd. swing-up	Lbf 10 ³	27			
D, fixed	Lbf 10 ³	22.5			
D, swing-up	Lbf 10 ³	22.5			
D, hyd. swing-up	Lbf 10 ³	22.5			

Power consumption (oil capacity)	Unit	2530L 2	2530L 3	2530L 4	2530L 5
Working pressure	psi	5003			
Max. pump performance, Danfoss fixed flow	gpm	18.5			
Max. pump performance, Danfoss variable	gpm	31.7			

2530L - Metric Specifications

Performance	Unit	2530L 2	2530L 3	2530L 4	2530L 5
Loading group (EN12999)		HD5/B3			
Load moment	tm	23.6	22.9	22.3	21.8
Hydraulic reach	m	9.4	11.5	13.4	15.4
Hydraulic telescopic movement	mm	3830	5840	7690	9600
Lifting capacity, hydraulic	kg-m	4330-5.4 3180-7.3 2500-9.3	4150-5.5 3010-7.4 2340-9.4 1910-11.4	3990-5.6 2870-7.5 2210-9.4 1780-11.4 1520-13.3	3850-5.7 2750-7.6 2090-9.5 1670-11.5 1410-13.4 1220-15.3
Slewing torque, gross	kNm	27.1			
Slewing angle	°	450			
Max. heel at max. load moment	°	5			
Slewing speed	°/s	24			

Dimensions	Unit	2530L 2	2530L 3	2530L 4	2530L 5
Height above chassis	mm	2600			
Width	mm	2500			
Length, no extra valves	mm	815			
Stabilizer spread, S1 (standard)	mm	5575			
Stabilizer spread, D	mm	6455			

Weight, basic loader	Unit	2530L 2	2530L 3	2530L 4	25
Standard loader 1), excl. stabilizers	kg	2015	2170	2325	2465
Stabilizers, S1 fixed	kg	290			
Stabilizers, S1 swing-up	kg	295			
Stabilizers S2 fixed	kg	300			
Stabilizer, S2 swing-up	kg	365			
Stabilizers, D fixed	kg	370			
Stabilizers, D swing-up	kg	375			
Mounting kits, 4-bolts	kg	65			
Mounting kit, 8-bolts	kg	60			
Oil in loader	kg	40	45	50	55

1) Weights $\pm$ 5% because of tolerances for plate thickness.

2530L - Metric Specifications- continued

Weights, equipment		2530L 2	2530L 3	2530L 4	2530L 5
Top seat (TS)	kg	90			
Top seat ladder	kg	20			
2 extra valves, hose guides	kg	75	90	105	120
2 extra valves, int. hose routing	kg	130	130		
High-pressure filter	kg	7			
Oil Cooler	kg	25			

Max. Load on stabilizers (per stabilizer cylinder)	Unit	2530L 2	2530L 3	2530L 4	2530L 5
S1, fixed	kN	120			
S1, swing-up	kN	120			
S1, hyd. swing-up	kN	120			
D, fixed	kN	100			
D, swing-up	kN	100			
D. hyd. swing-up	kN	100			

Power Consumption / Oil Capacity	Unit	2530L 2	2530L 3	2530L 4	2530L 5
Working pressure	Bar	345			
Max. pump performance, Danfoss fixed flow	L/min	70			
Max. pump performance, Danfoss variable	L/min	120			

2530L Lifting Capacity Charts

Section - 2

2530L - Lifting Capacity Chart, L2

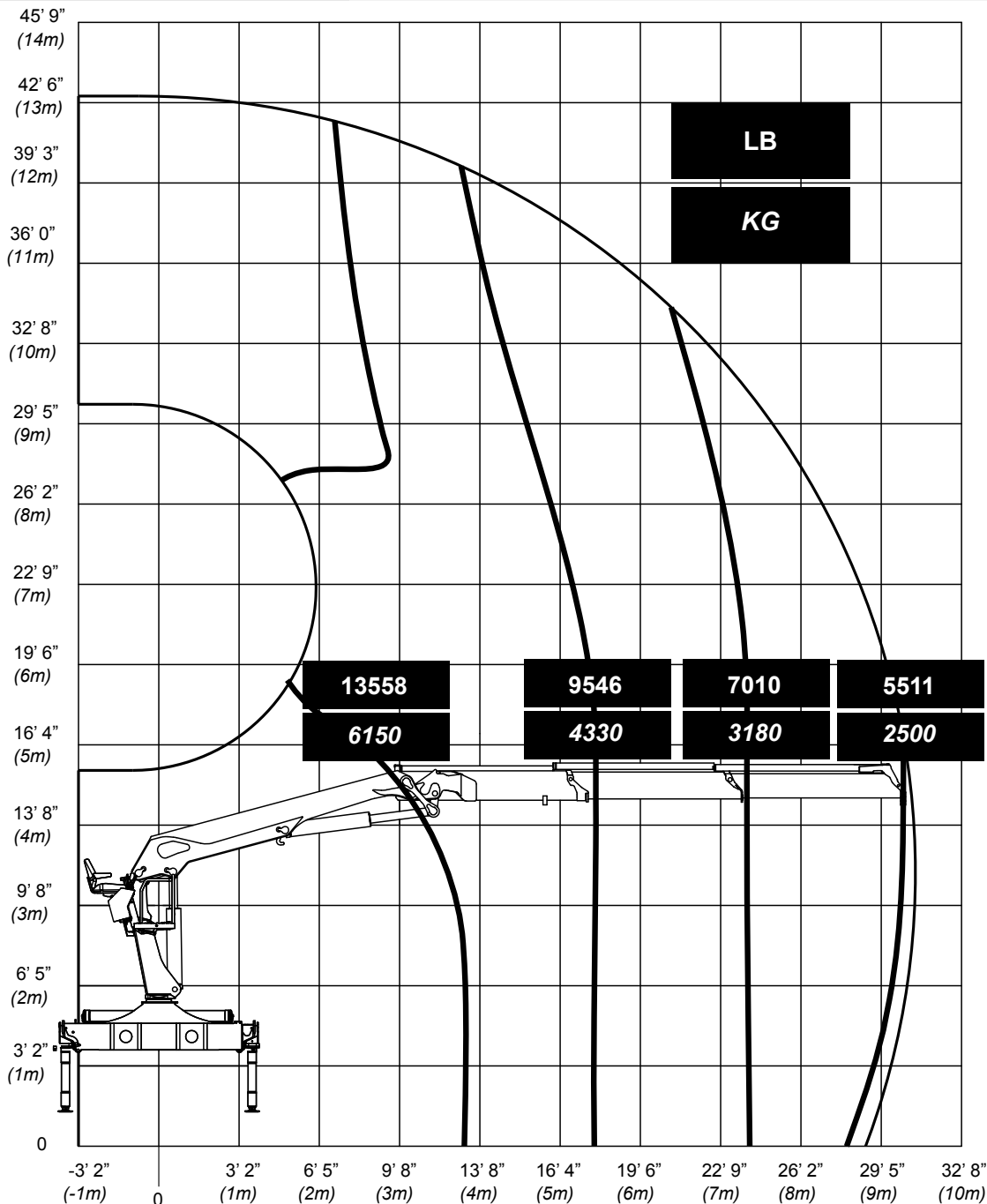
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MATERIAL HANDLING SYSTEMS

Model 2530 - L L2

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- Limit working loads to those shown. Deduct the weight of load handling devices.
- *El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.*



70490081

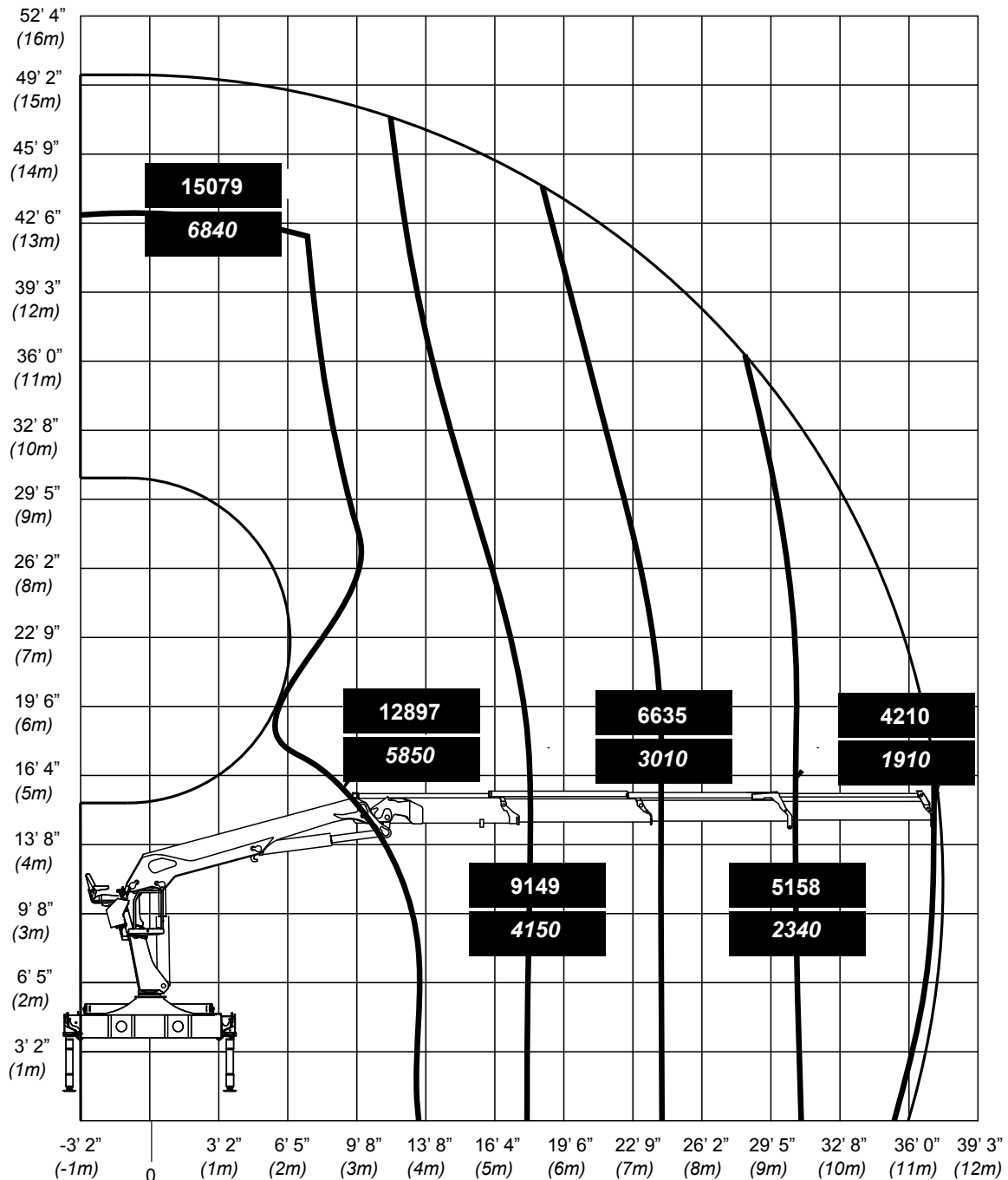
2530L - Lifting Capacity Chart, L3

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MATERIAL HANDLING SYSTEMS

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Model 2530 - L L3

- Limit working loads to those shown. Deduct the weight of load handling devices.
- *El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.*



70490082

2530L - Lifting Capacity Chart, L4

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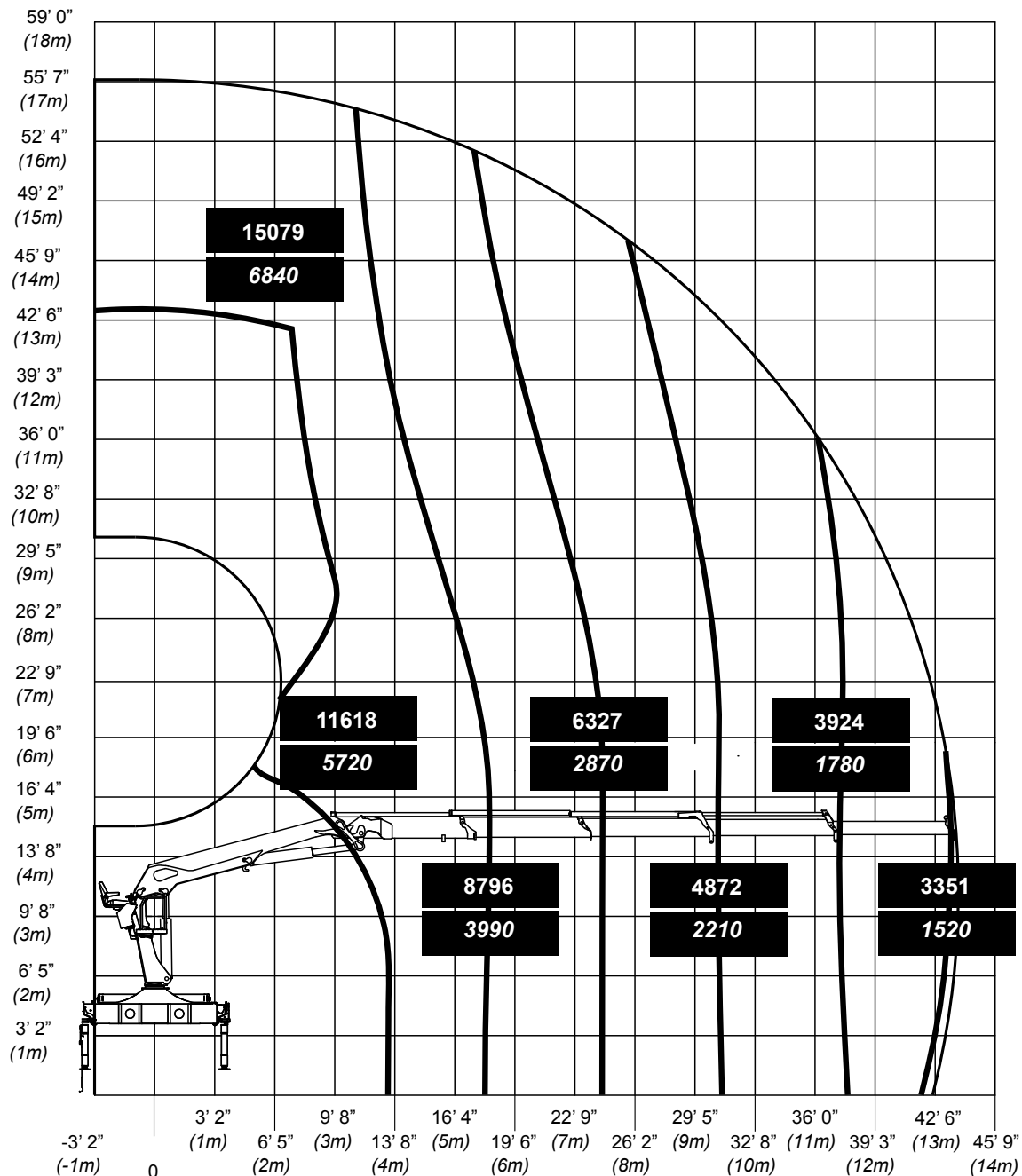
MATERIAL HANDLING SYSTEMS

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Model 2530 - L L4

- Limit working loads to those shown. Deduct the weight of load handling devices.
- *El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.*



70490083

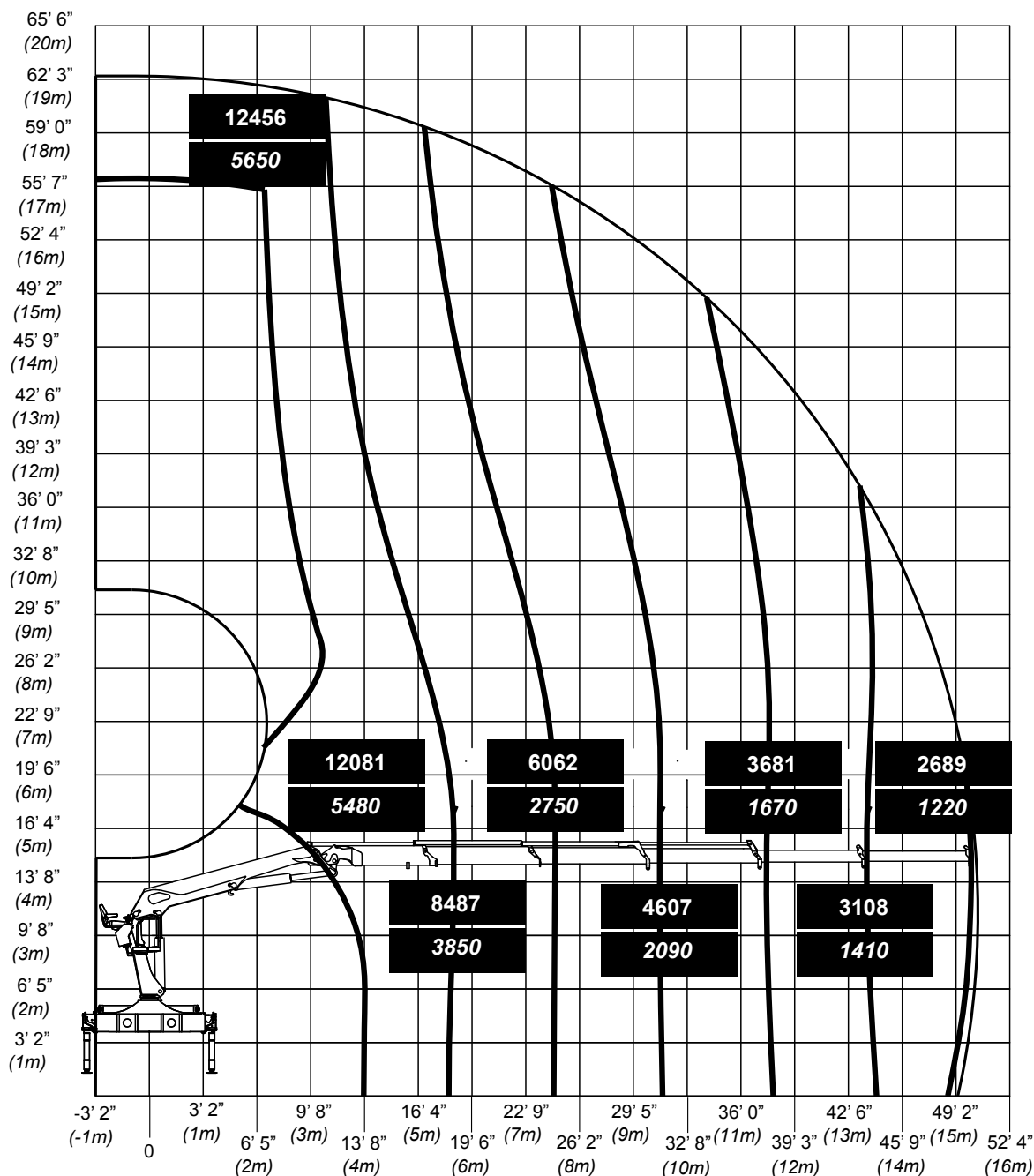
2530L - Lifting Capacity Chart, L5

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MATERIAL HANDLING SYSTEMS

Model 2530 - L L5

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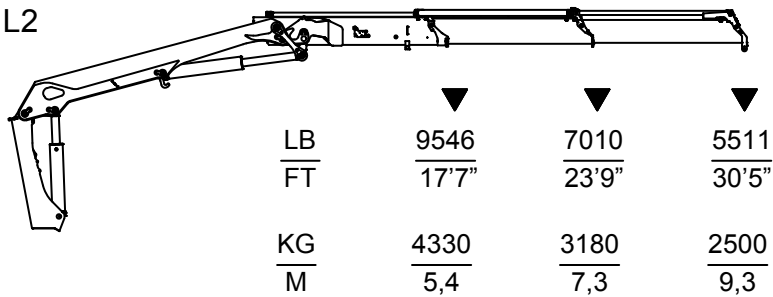
- Limit working loads to those shown. Deduct the weight of load handling devices.
- *El peso propio (tara) de los dispositivos de manipulación de cargas es parte de la carga levantada y se debe descontar de la capacidad nominal.*



70490084

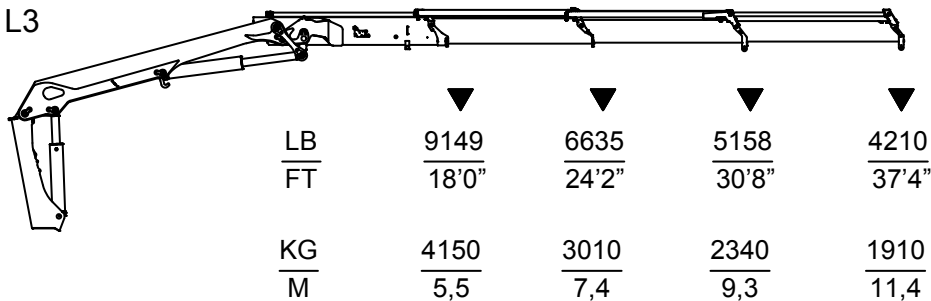
2530L - Lifting Capacity Chart, L2-L5

L2



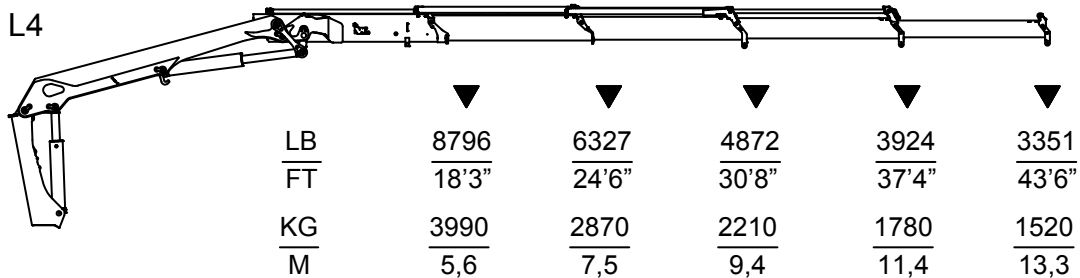
LB	9546	7010	5511
FT	17'7"	23'9"	30'5"
KG	4330	3180	2500
M	5,4	7,3	9,3

L3



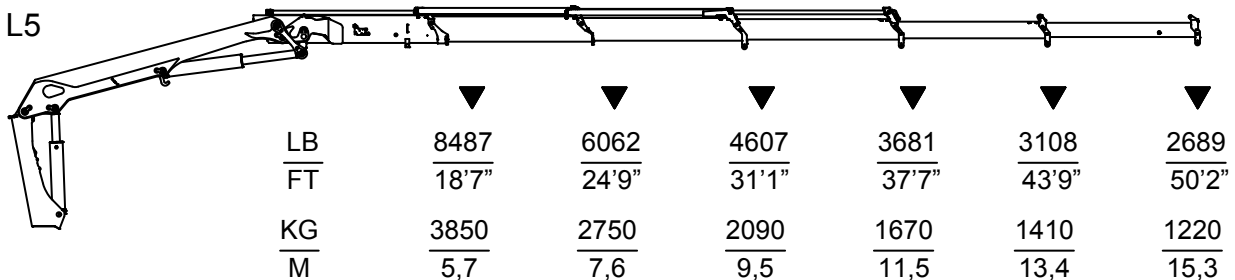
LB	9149	6635	5158	4210
FT	18'0"	24'2"	30'8"	37'4"
KG	4150	3010	2340	1910
M	5,5	7,4	9,3	11,4

L4



LB	8796	6327	4872	3924	3351
FT	18'3"	24'6"	30'8"	37'4"	43'6"
KG	3990	2870	2210	1780	1520
M	5,6	7,5	9,4	11,4	13,3

L5

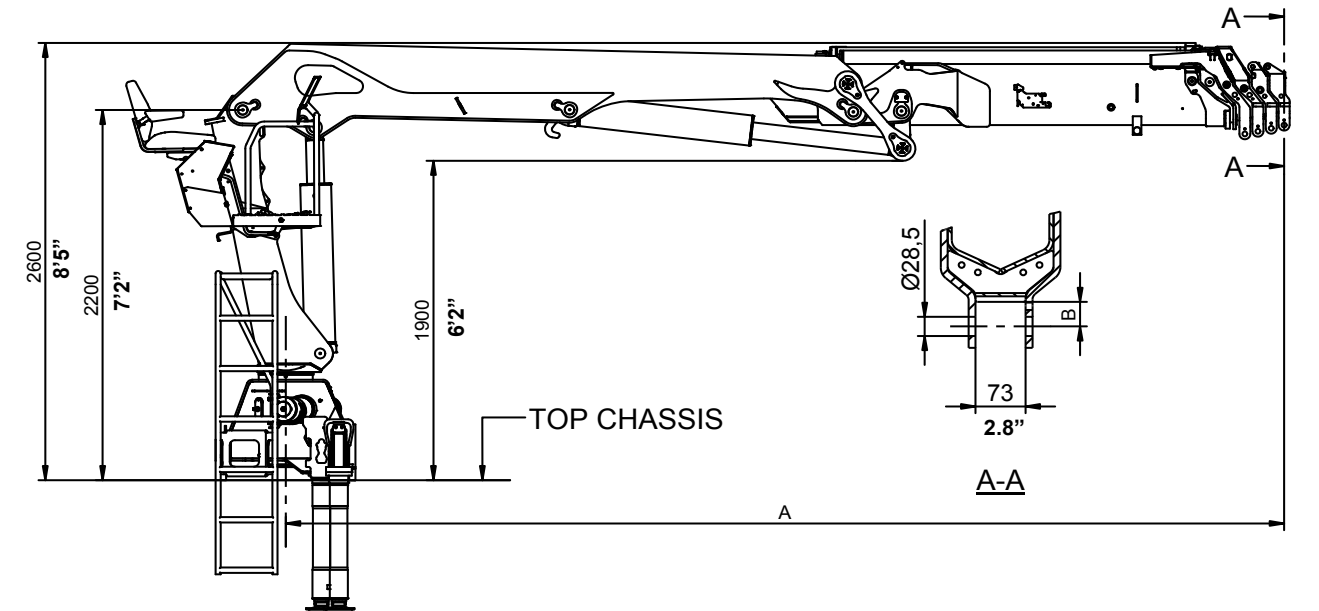


LB	8487	6062	4607	3681	3108	2689
FT	18'7"	24'9"	31'1"	37'7"	43'9"	50'2"
KG	3850	2750	2090	1670	1410	1220
M	5,7	7,6	9,5	11,5	13,4	15,3

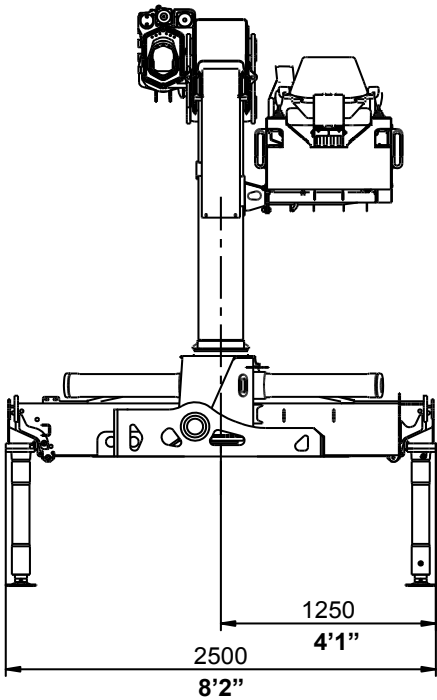
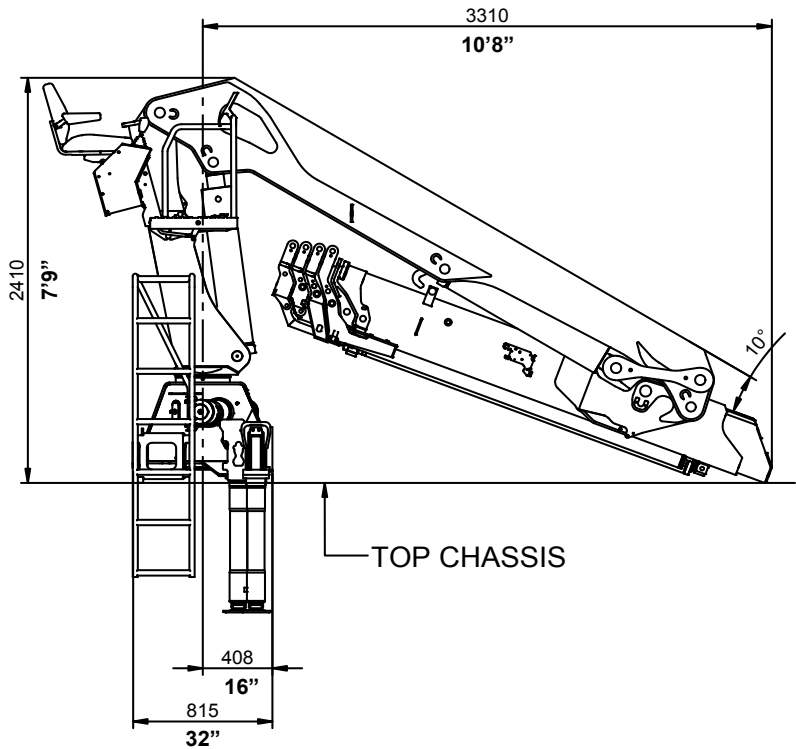
2530L - DIMESION DRAWINGS

SECTION - 3

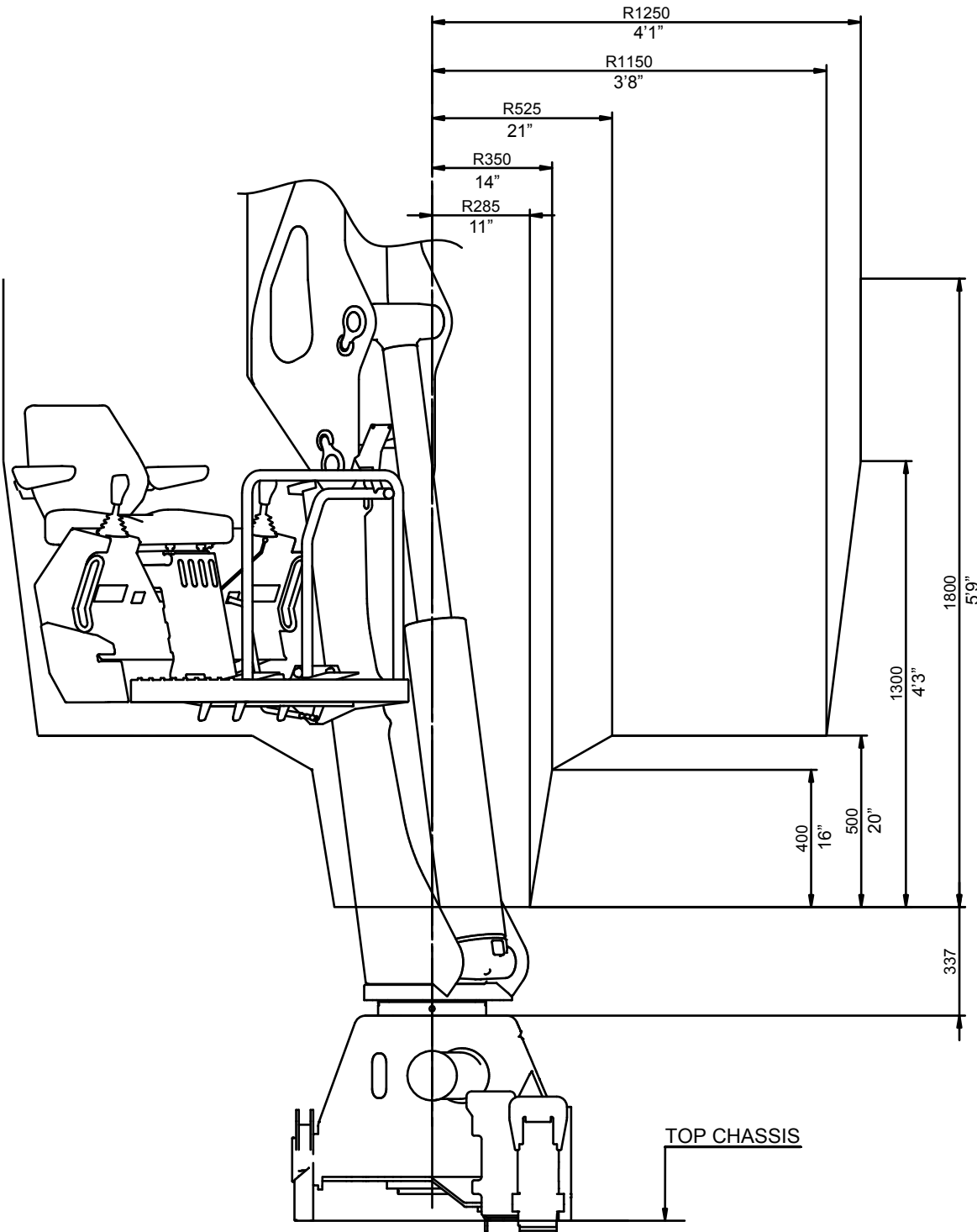
2530L - Dimension Sketch



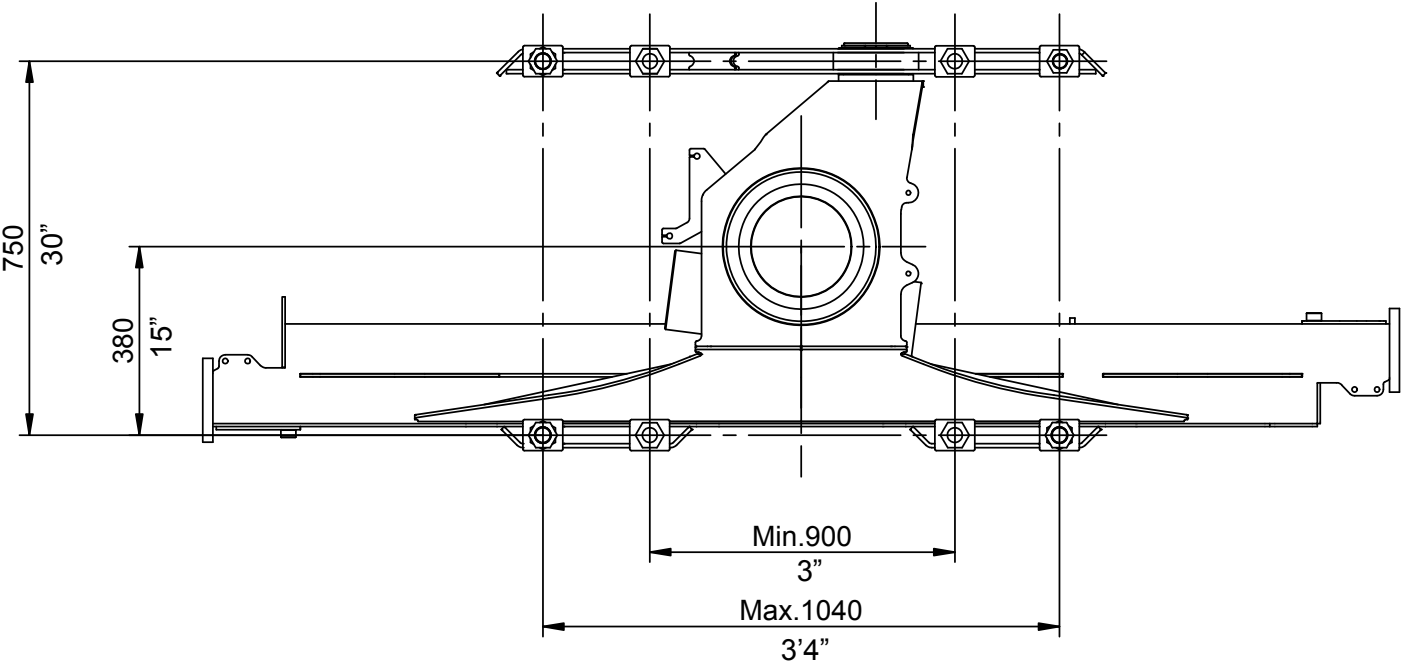
				METRIC		
	A - MIN	A - MAX	B	A- MIN	A - MAX	B
L2	18'3"	30'9"	1.4"	5580	9415	35
L3	18'5"	37'7"	1.45"	5655	11490	36.5
L4	18'8"	44'0"	1.50"	5730	13425	38
L5	19'0"	50'5"	1.54"	5805	15410	39



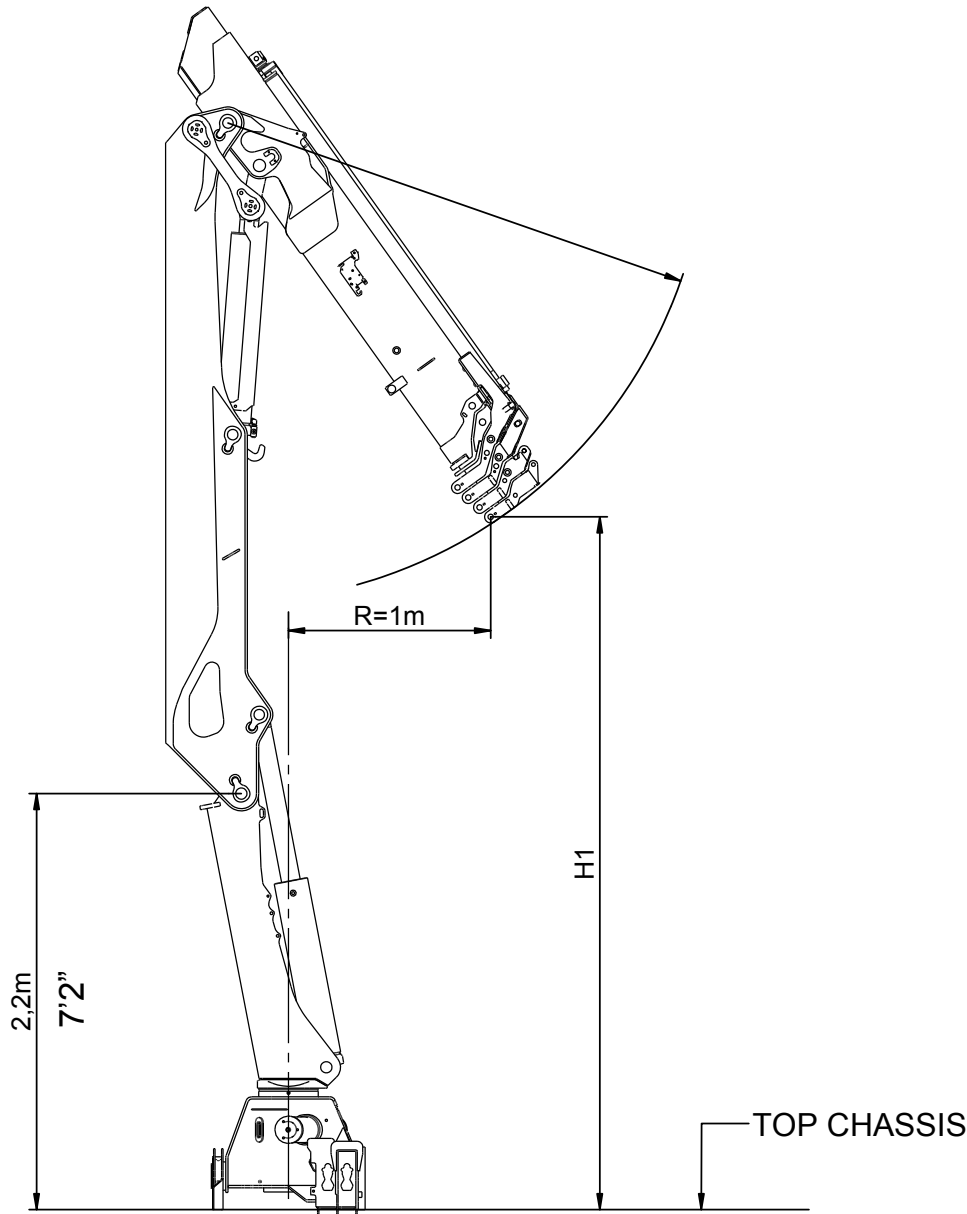
2530L - Slewing Radius



2530L - Dimension Sketch - Truck Mounted Loader

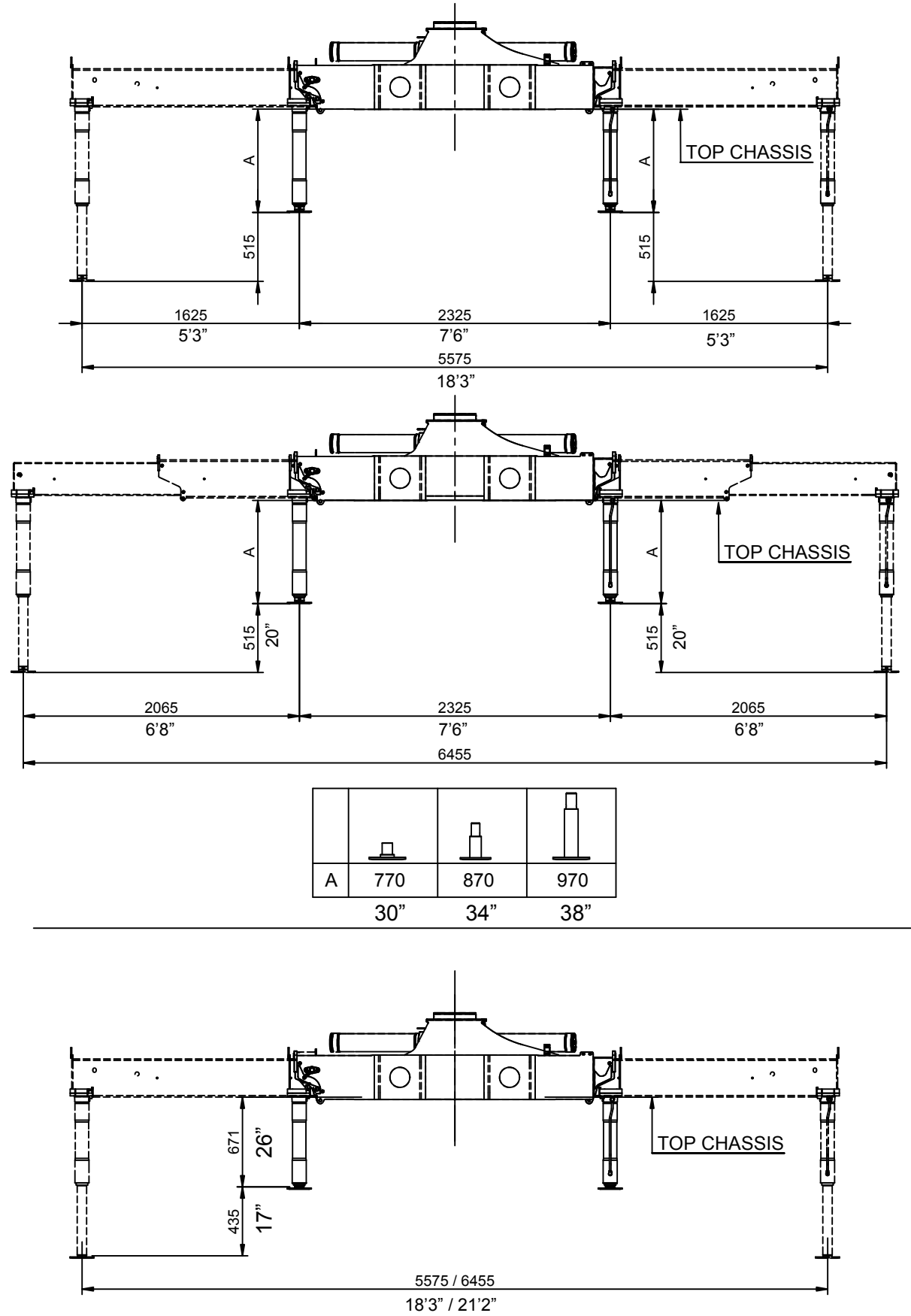


2530L - Lifting Height, Column

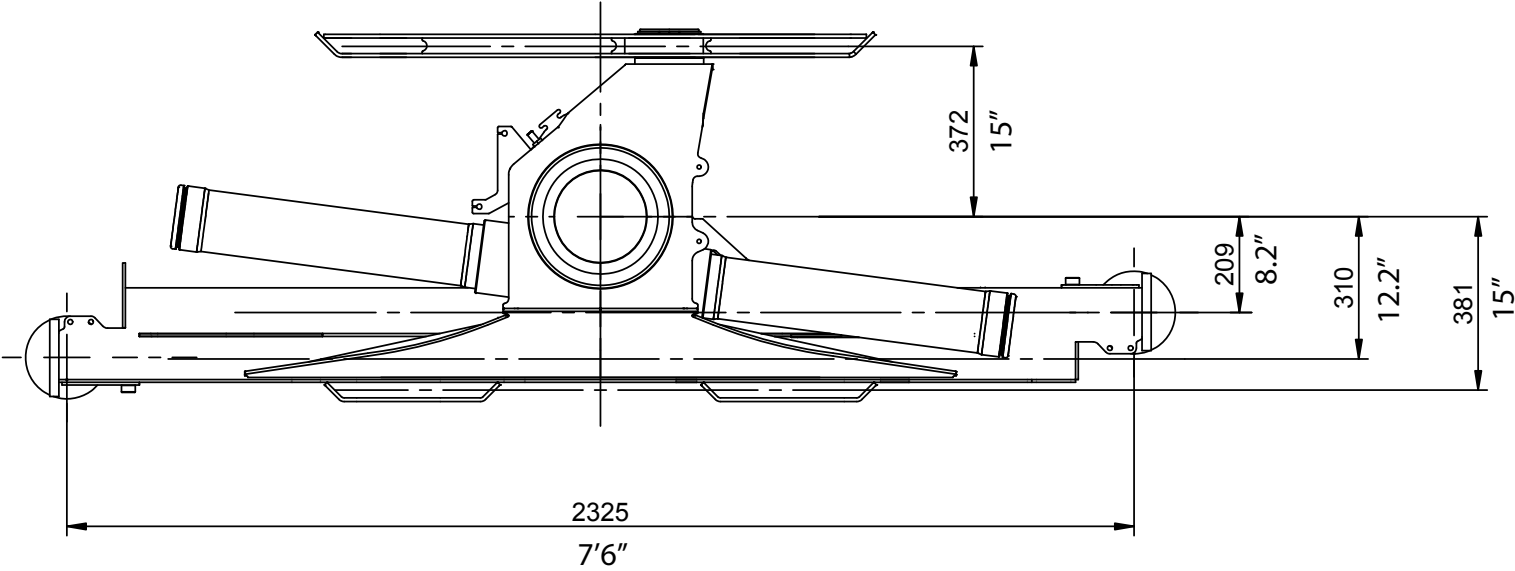


		METRIC
	H1	H1
L2	12'8"	3.89
L3	12'5"	3.80
L4	12'2"	3.71
L4	12'0"	3.62

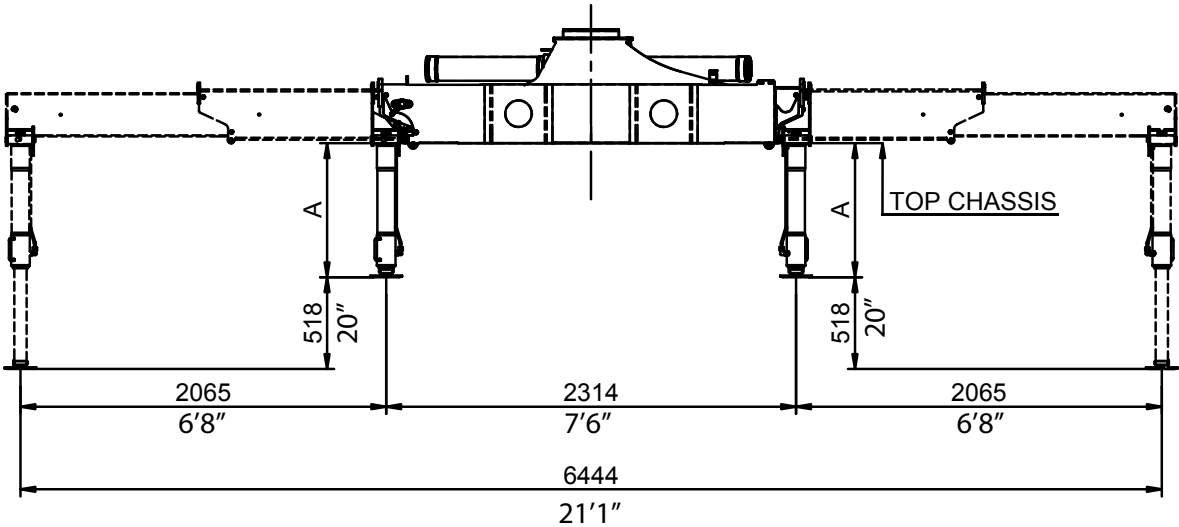
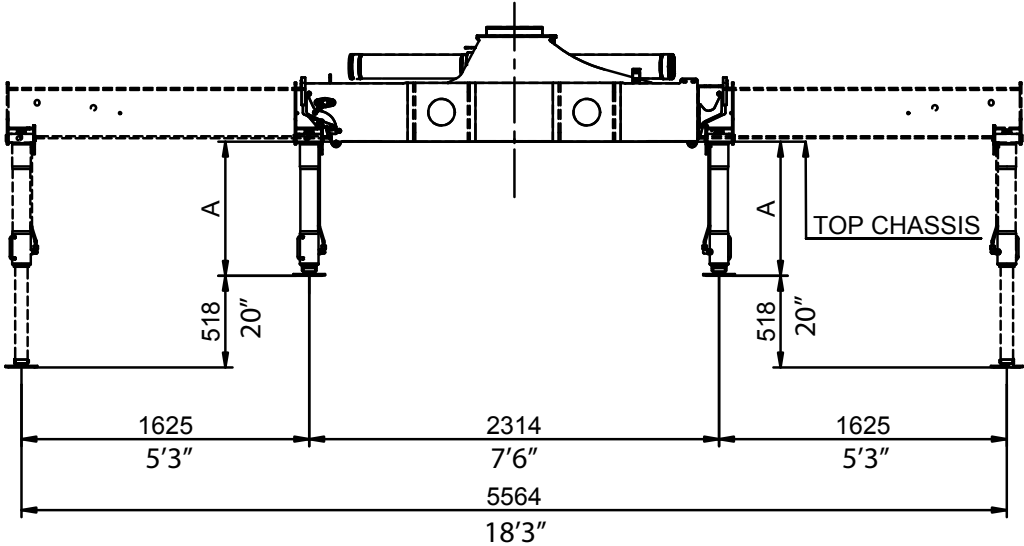
2530L - Dimension Sketch, Fixed Stabilizer Legs



2530L - DIMENSION SKETCH, FIXED STABILIZER LEGS (CONTINUED)



2530L - Dimension Sketch, Swing-Up Stabilizer Legs 20° - 60°



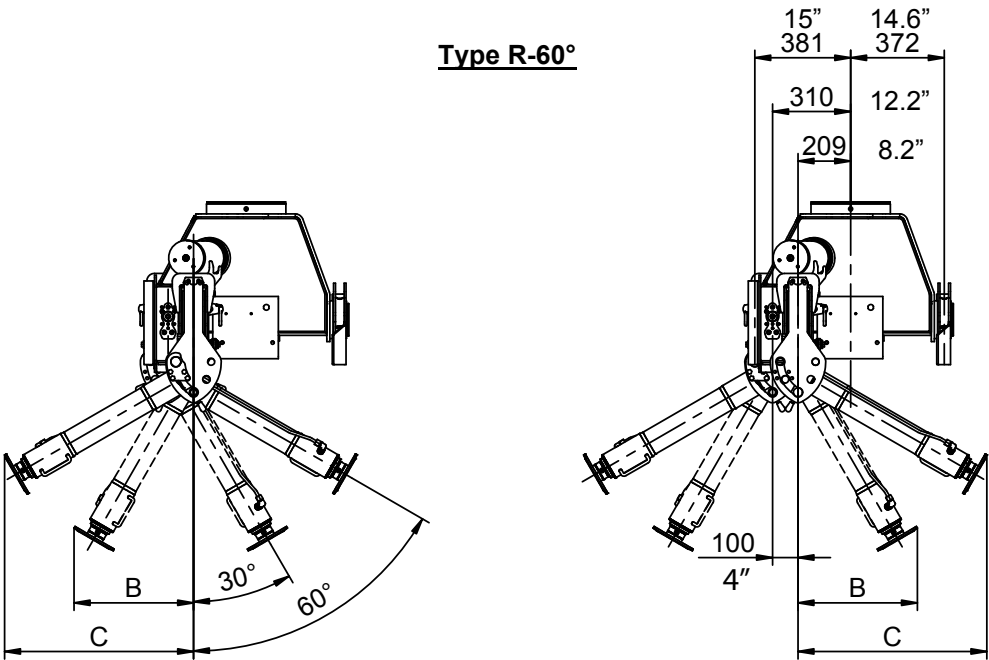
METRIC

INCHES

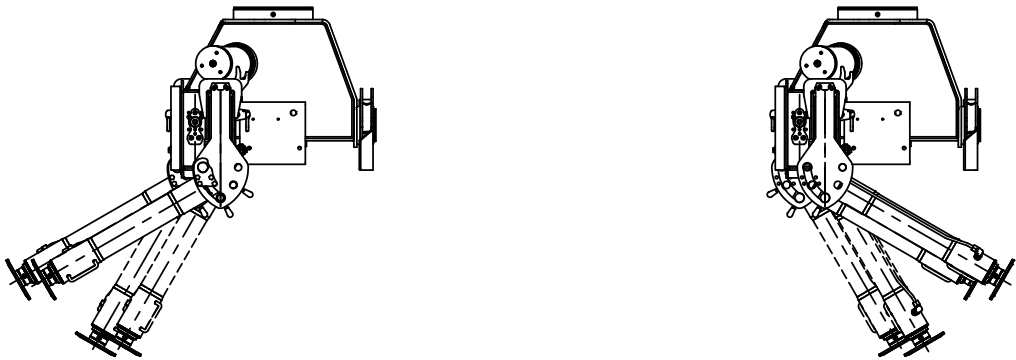
							
A Type R-60°	765	865	965	A Type R-60°	30"	34"	38"
A Type R-20° (Obsolete)	757	857	957	A Type R-20° (Obsolete)	29.8"	33.7"	37.6"

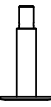
2530L - Dimension Sketch, Swing-Up Stabilizer Legs 20° - 60°

Type R-60°

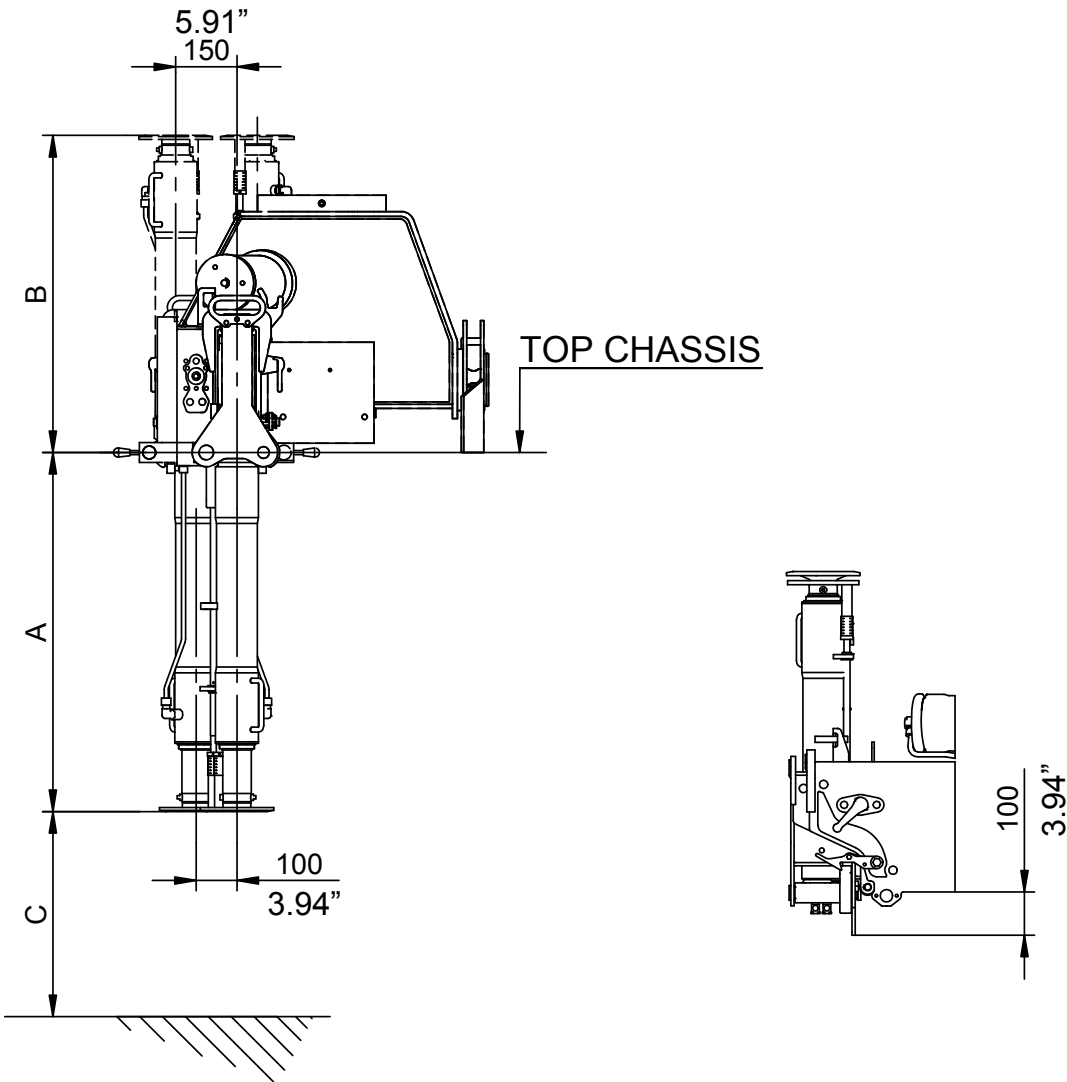


Type R-20° (Obsolete)



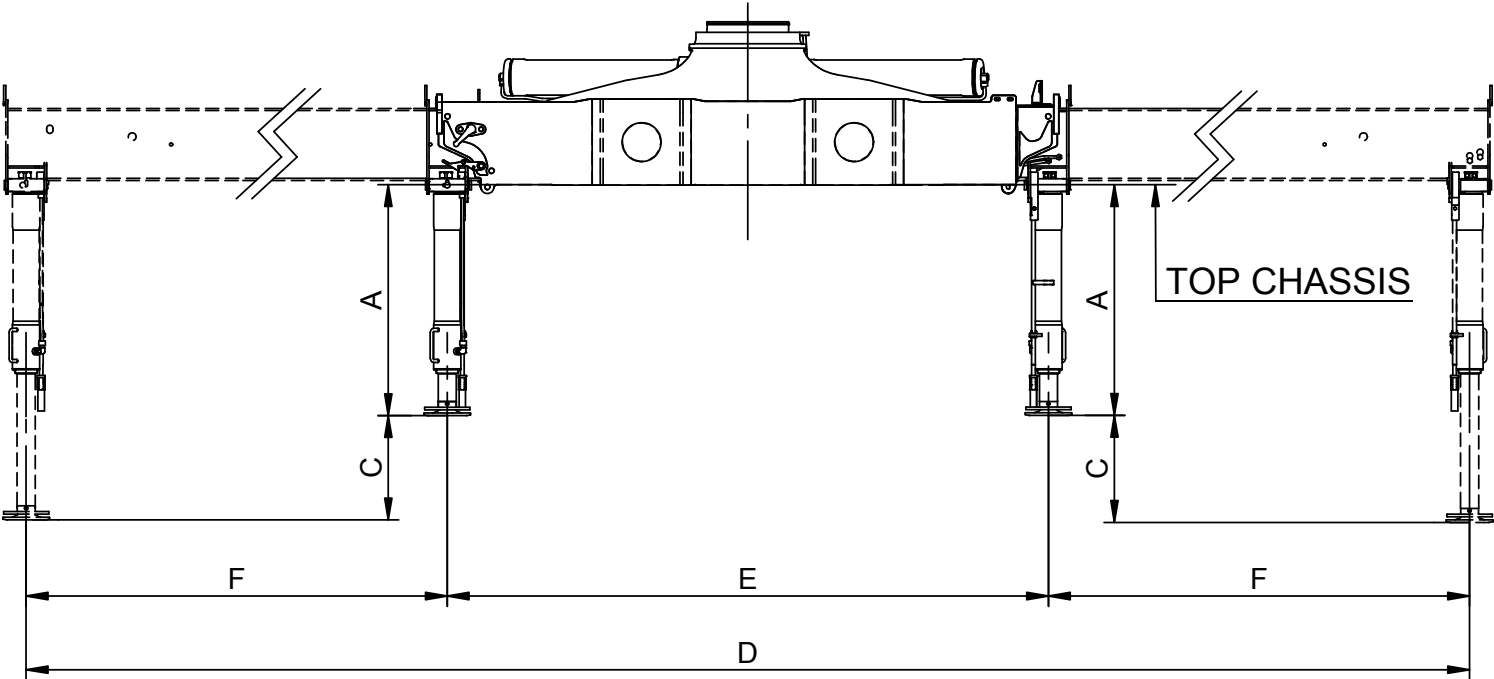
			
B	474	524	574
C	750	836	923
D	366	402	438
B	19"	21"	23"
C	30"	33"	36"
D	14.4"	16"	17"

2530L - Dimension Sketch, Swing-Up Stabilizer Legs 180°

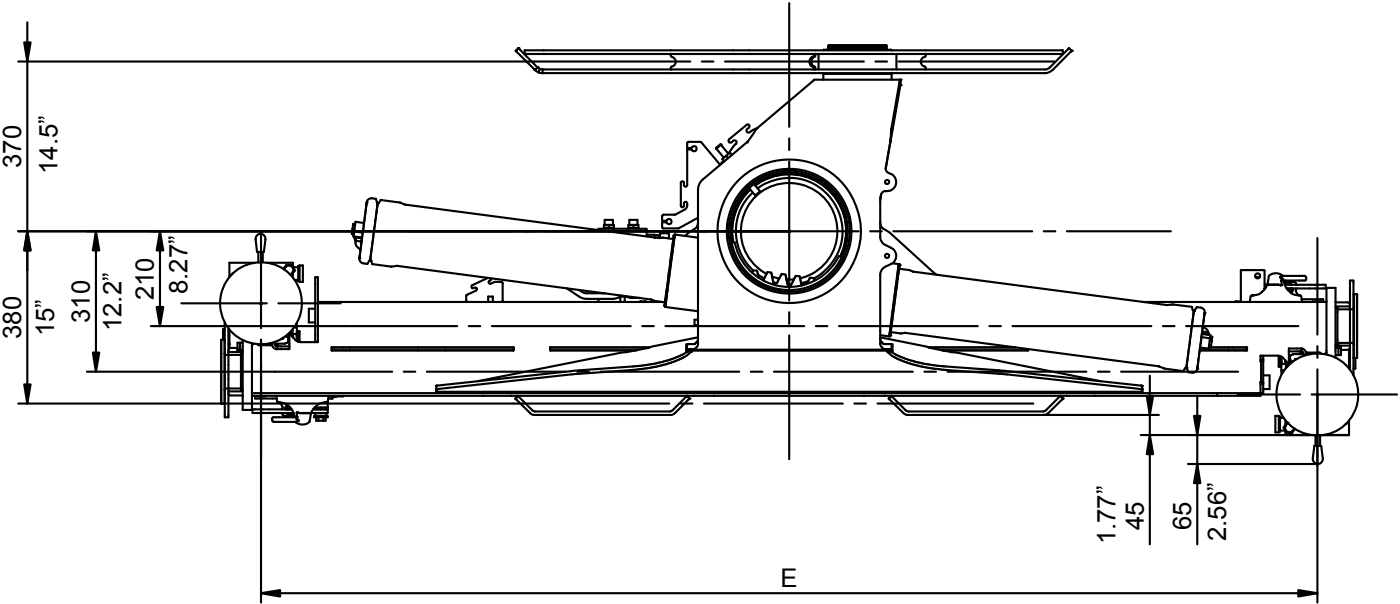


		Foot Plate, Fixed (inches)			Foot Plate w/Ball Joint (inches)			Foot Plate, Fixed (mm)			Foot Plate w/Ball Joint (mm)		
													
Manual	A	30.5	34.4	38.4	32	36.2	40	775	875	975	820	920	1020
	B	31	34.8	38.8	33	36.6	40.5	785	885	985	830	930	1030
	C	20.5	20.5	20.5	20.5	20.5	20.5	520	520	520	520	520	520
Hydraulic	A	35	38.8	43	36	40	44	885	985	1085	925	1025	1125
	B	31.3	35.2	39	31	35.2	39	795	895	995	795	895	995
	C	16.5	16.5	16.5	16.5	16.5	16.5	420	420	420	420	420	420

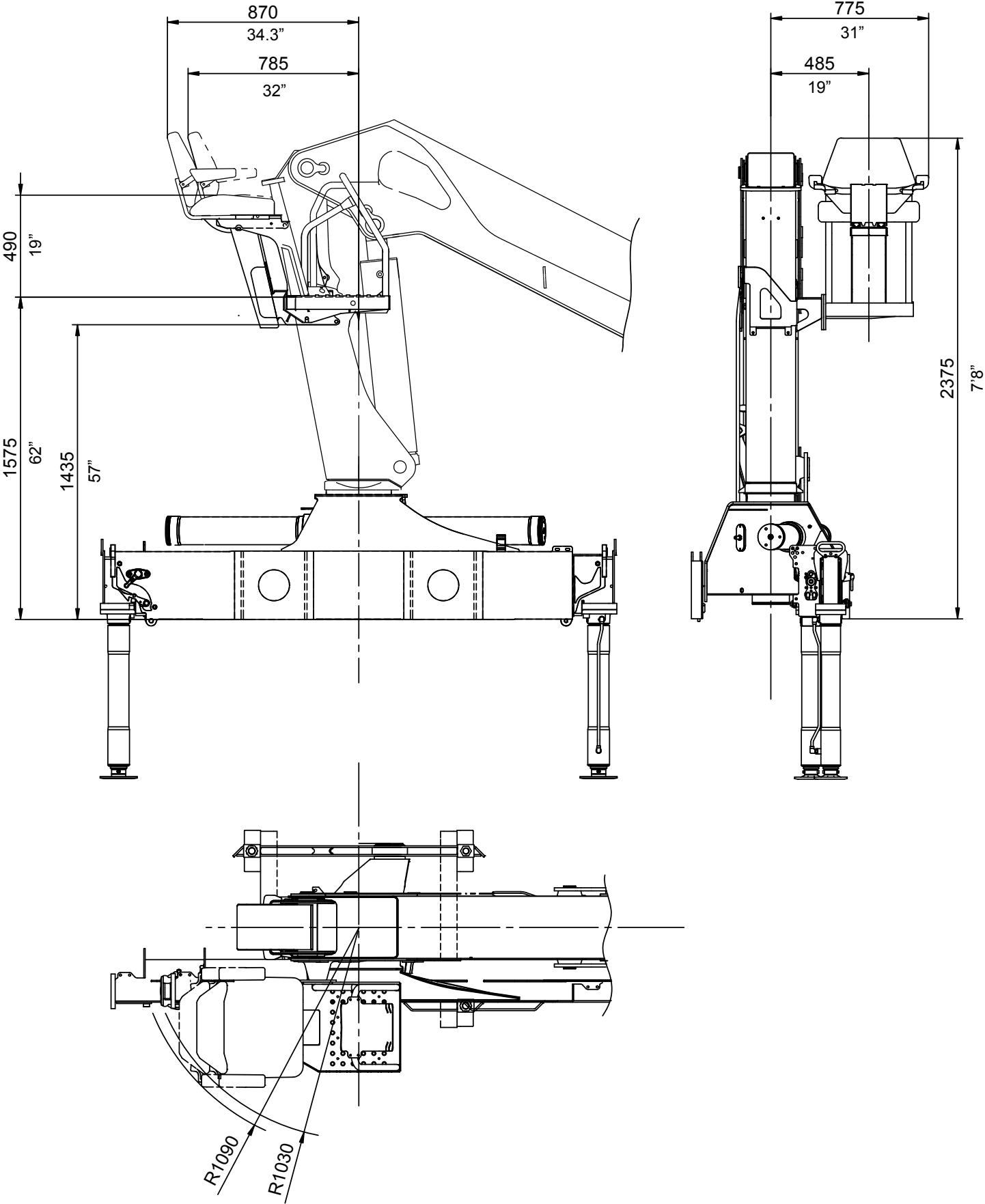
(CONTINUED)

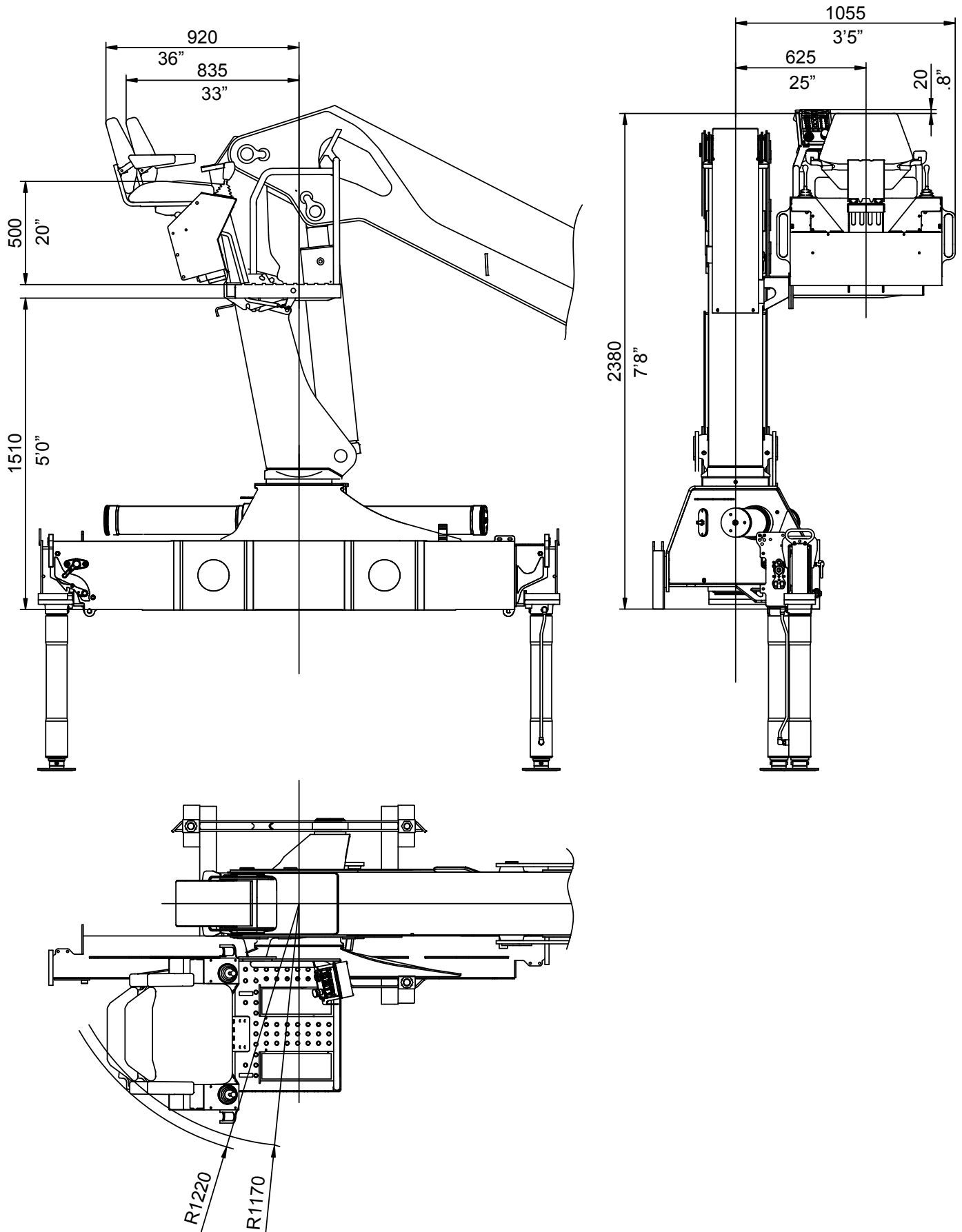


	Manual		Hydraulic		Manual (Mm)		Hydraulic (Mm)	
D	18'3"	21'2"	18'2"	21'1"	5590	6470	5570	6450
E	7'7"	7'7"	7'6"	7'6"	2340	2340	2320	2320
F	5'3"	6'8"	5'3"	6'8"	1625	2065	1625	2065

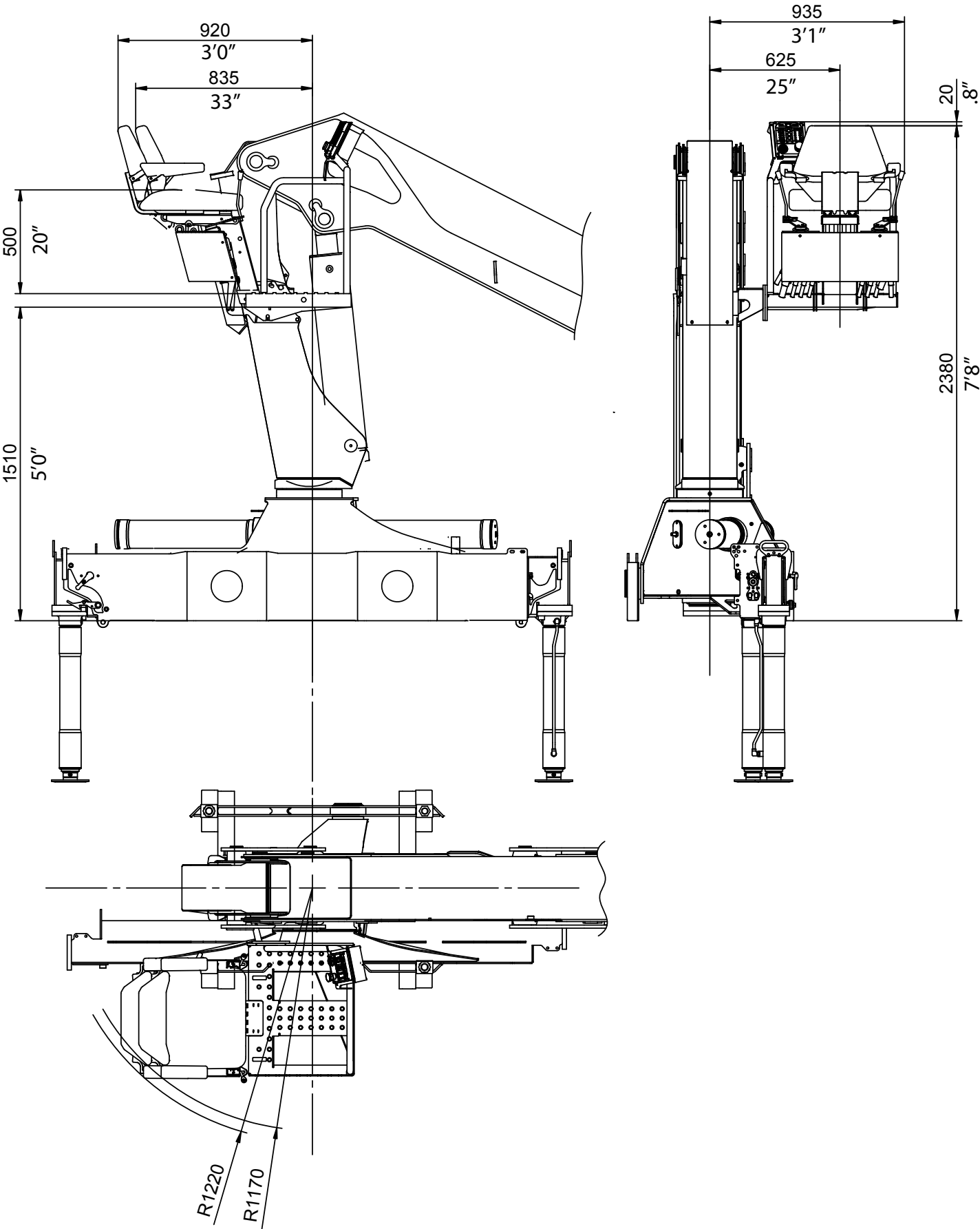


2530L - Dimension Sketch, TS

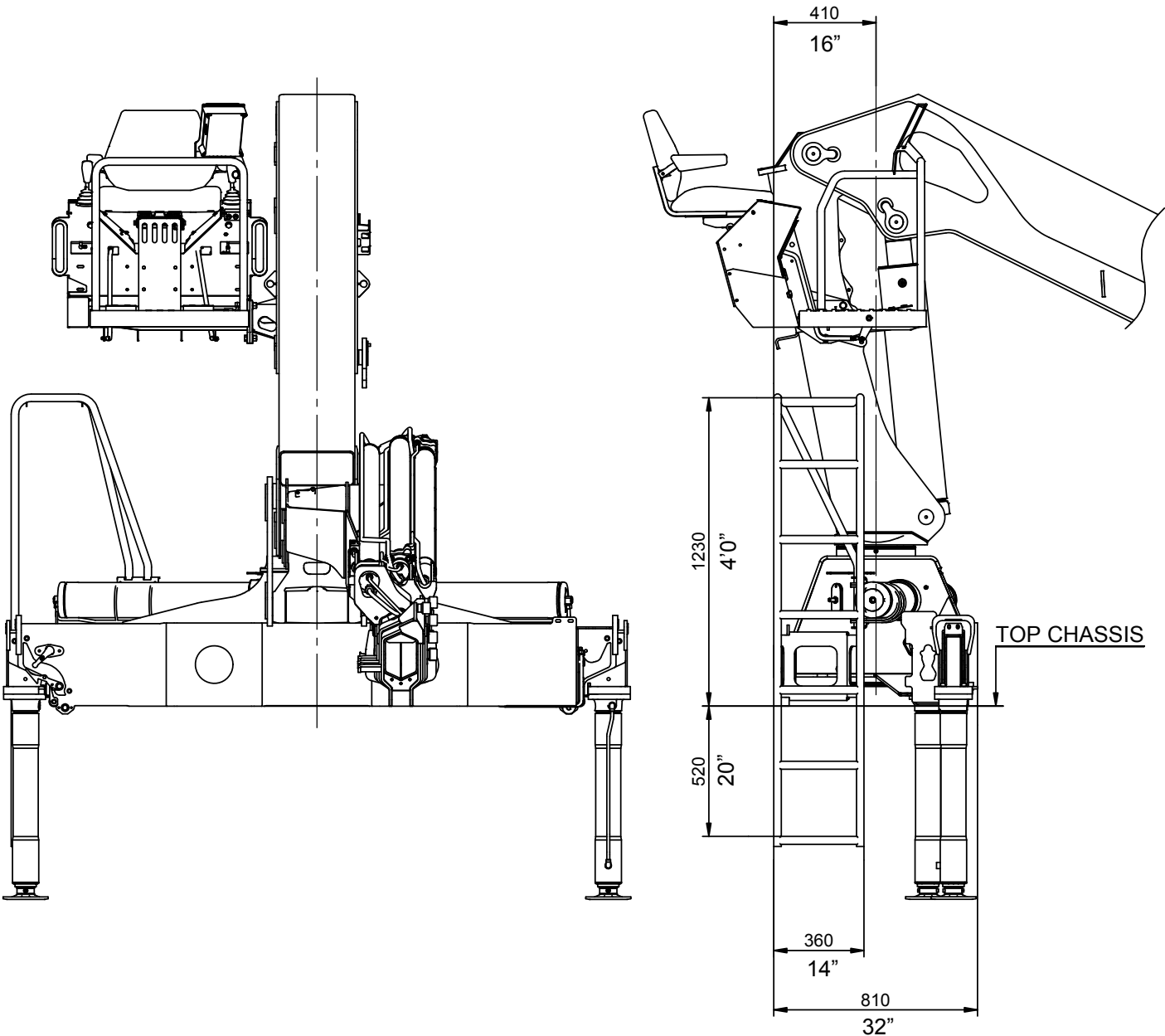


2530L - Dimension Sketch, TS Top Seat (Danfoss X)

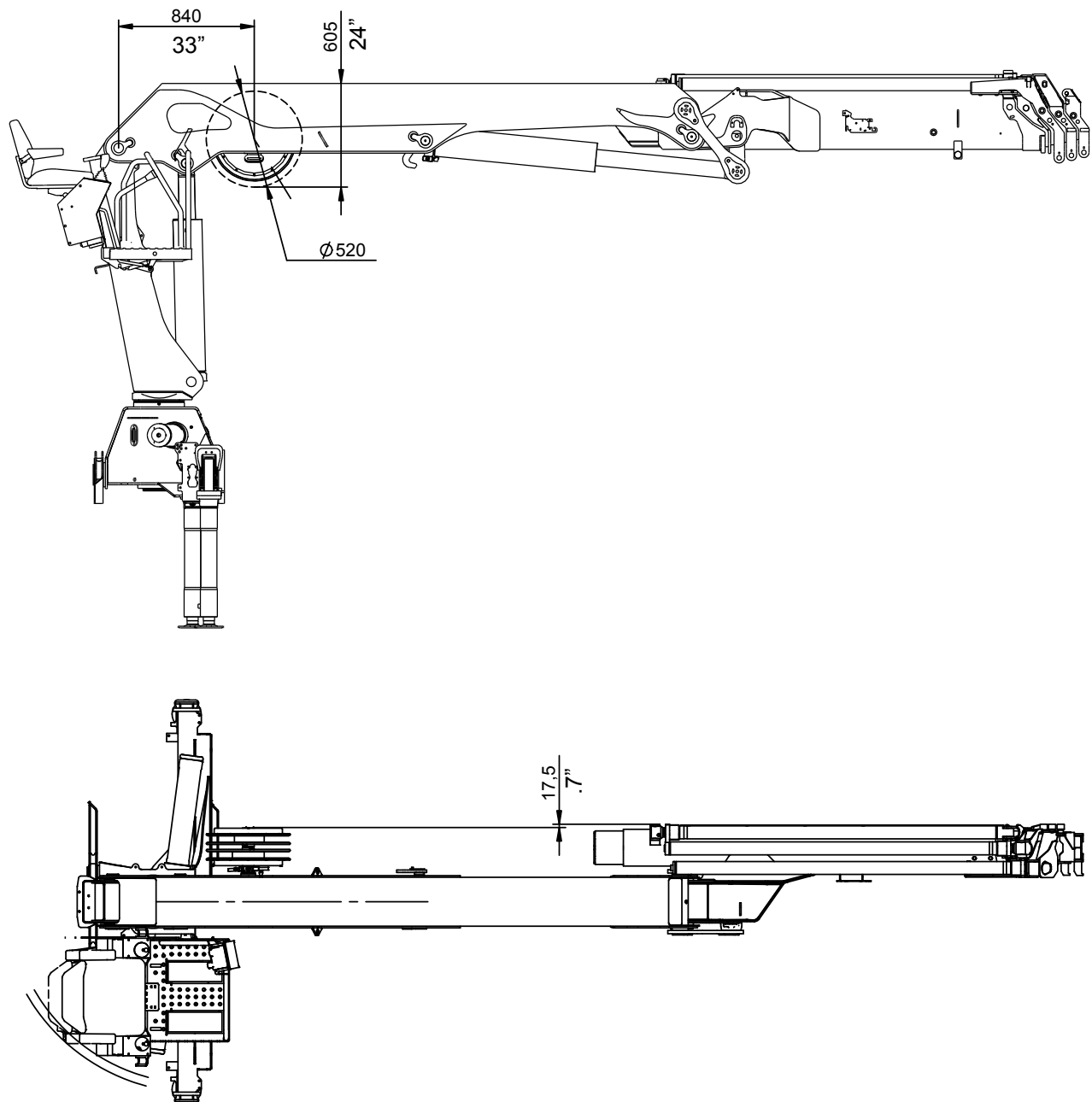
2530L - Dimension Sketch, TS (HC X)



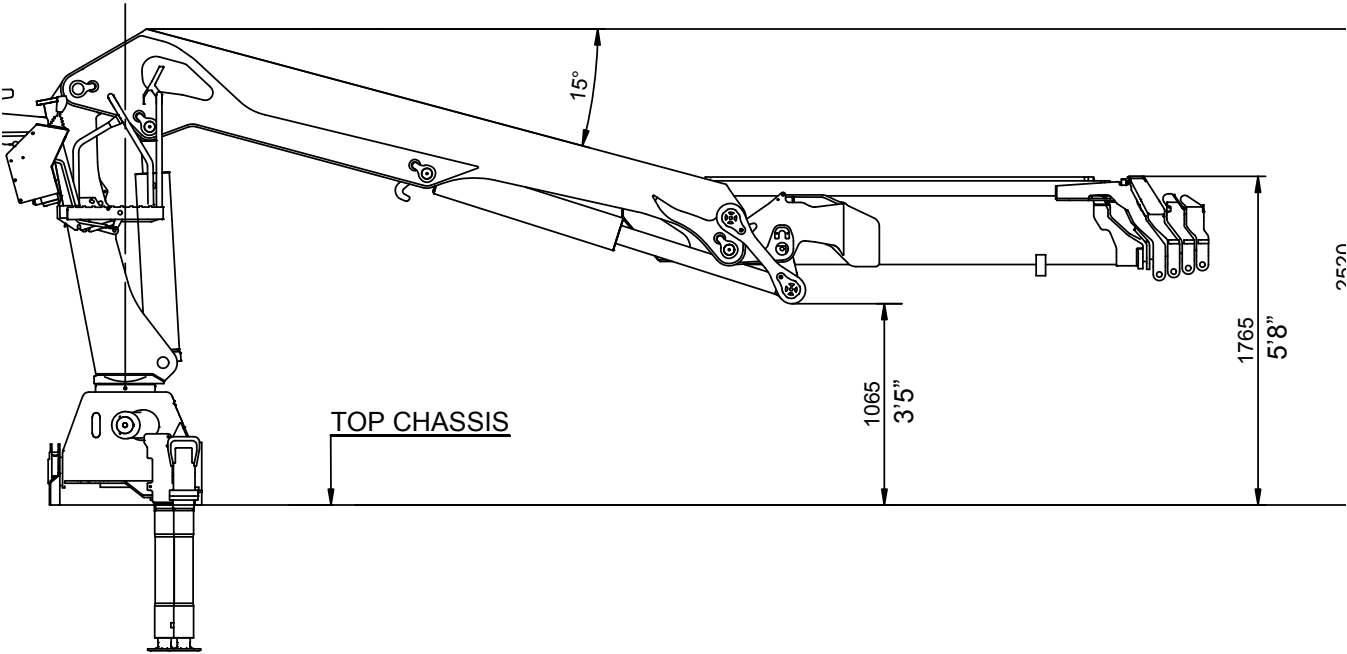
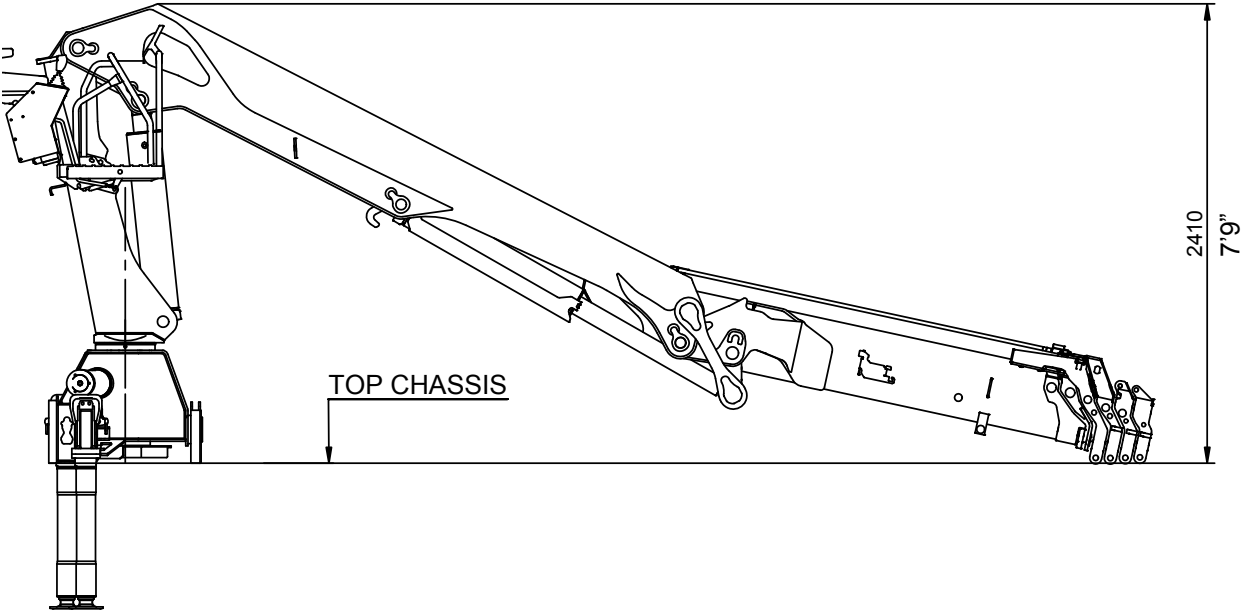
2530L - Dimension Sketch, Ladder TS



2530L - Dimension Sketch, Internal Hose Routing



2530L - Stowed in Truck Body

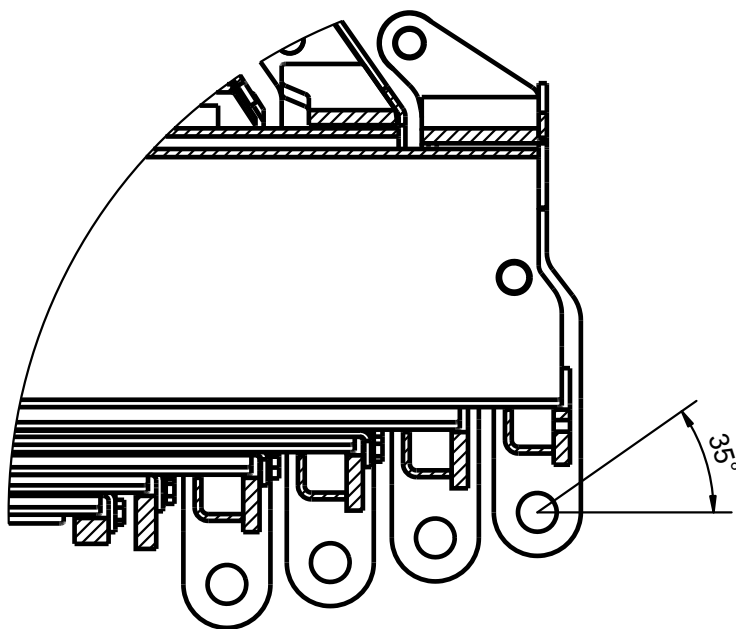


2530L - Dimension Sketch for Connecting Link

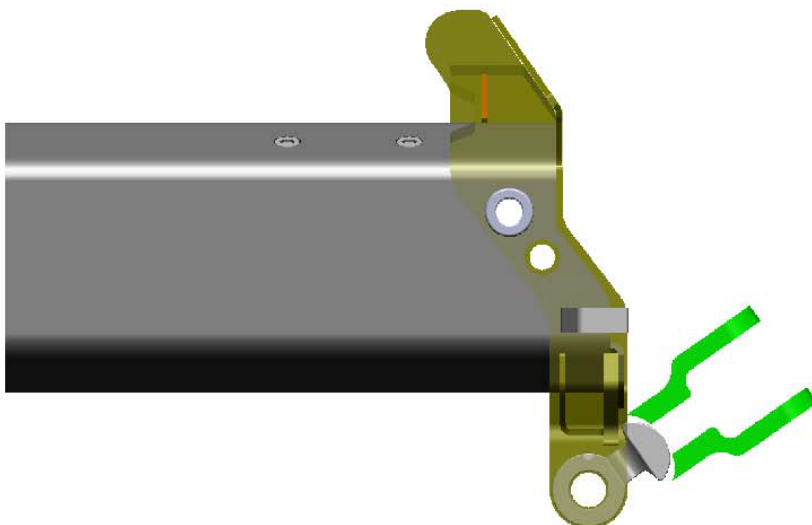
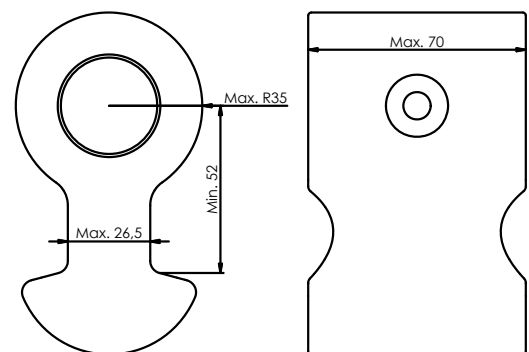
Manufacturing Of Connecting Links For Crane Equipment

The following design considerations are recommended to ensure that the connecting link can swing sufficiently when using the equipment connected and when stowing in truck body and / or folding.

In general, we recommend that the connecting link can move freely in an angle of minimum 35° in both directions in relation to the longitudinal direction of the jib extension. This is to minimize the risk of damage to the hook suspension when placing crane equipment in the truck body.

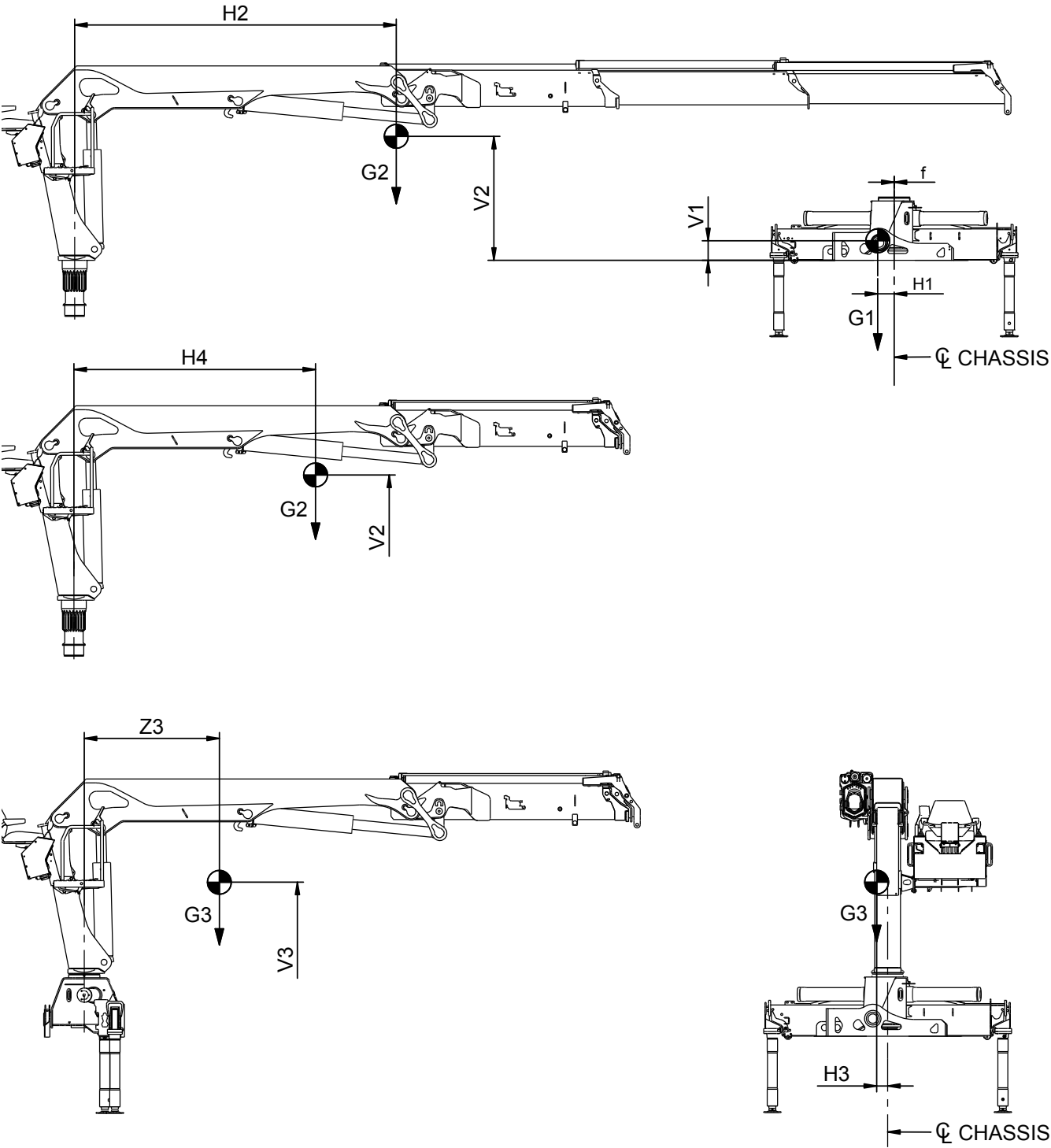


Recommended dimensions for connecting link



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2530L - Center of Gravity



CENTER OF GRAVITY (CONTINUED)

Model	(mm)									(kg)		
	V1	V2	V3	H1	H2	H3	H4	Z3	f	G1	G2	G3
2110-L2 / 2530L 2	230	2010	1340	10	2605	30	2050	1320	0	980	1545	2525
2110-L3 / 2530L 3	230	2045	1405	10	3275	45	2270	1505	0	980	1705	2685
2110-L4 / 2530L 4	230	2065	1455	10	3890	60	2420	1640	0	980	1840	2820
2110-L5 / 2530L 5	230	2080	1490	10	4485	70	2545	1750	0	980	1960	2940

Model	Feet / Inches									Pounds		
	V1	V2	V3	H1	H2	H3	H4	Z3	f	G1	G2	G3
2110-L2 / 2530L 2	9"	6' 6"	4' 4"	0.3"	8' 5"	1.18"	6' 7"	4' 3"	0	3' 2"	5' 0"	8' 3"
2110-L3 / 2530L 3	9"	6' 7"	4' 6"	0.3"	10' 8"	1.77"	7' 4"	4' 9"	0	3' 2"	5' 6"	8' 8"
2110-L4 / 2530L 4	9"	6' 8"	4' 7"	0.3"	12' 8"	2.36"	7' 9"	5' 3"	0	3' 2"	6' 0"	9' 3"
2110-L5 / 2530L 5	9"	6' 8.2"	4' 9"	0.3"	15"	2.76"	8' 3"	5' 7"	0	3' 2"	6' 4"	9' 6"



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