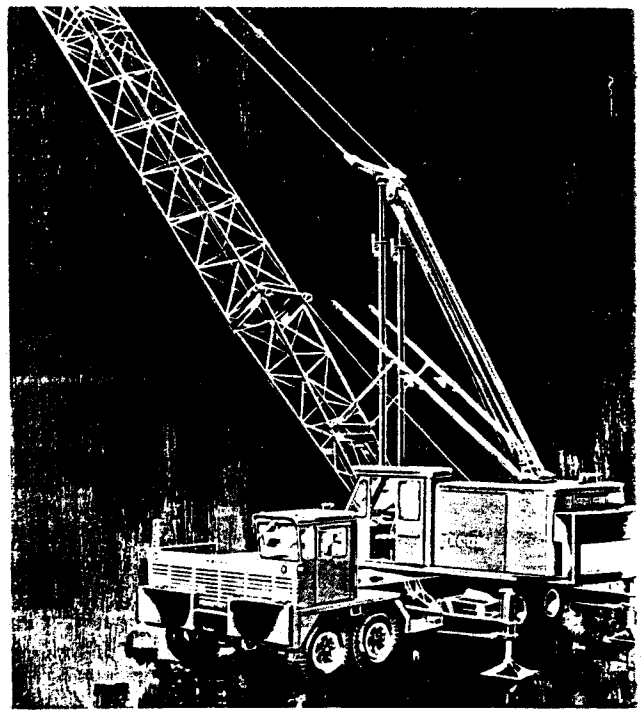


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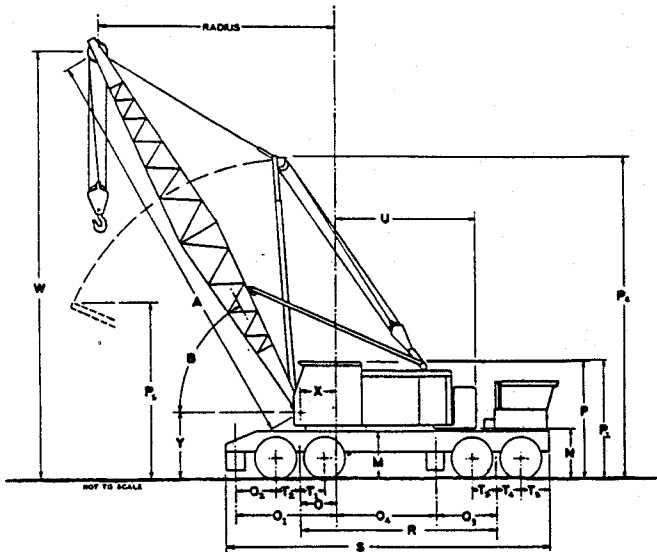
FLYSHEET HC-138 TRUCK MOUNTED CRANE

*Dimensions
Working ranges
Lifting capacities
Specifications*



DIMENSIONS AND WORKING RANGES

CARRIER — 8 x 4 11' 0" WIDE

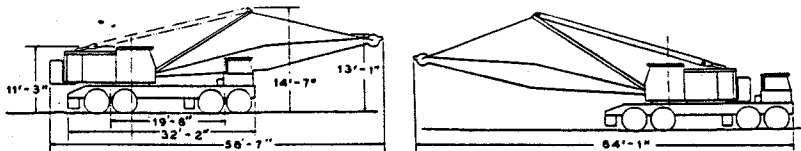


Basic boom length	A	40' 0"
Boom angle	B	
Overall height, top of turntable bearing plate	M	4' 6"
Ground clearance under counterweight	N	4' 9"
Centerline rotation to rear axle bogie	O	4' 0"
Centerline rotation to rear outrigger center	O ¹	9' 9"
Center rear axle to rear outrigger center	O ²	3' 7"
Centerline rotation to front outrigger center	O ⁴	6' 6"
Overall height, boomhoist bail sheave	P ¹	11' 3"
Overall height, boom mast vertical	P ²	30' 11"
Overall height boom mast, with 40° boom horizontal	P ³	17' 11"
Wheelbase	R	19' 8"
Overall length over rear outrigger box, with front bumper c/wt.	S	32' 6"
without front bumper c/wt.	S	32' 2"
Center rear axle to pivot of bogie	T ¹ & T ²	2' 3"
Center front axle to pivot of bogie	T ³ & T ⁴	2' 3"
Center front axle to front bumper	T ⁵	3' 0"
Center front axle to front bumper counterweight	T ⁵	3' 4"
Tailswing of counterweight	U	13' 5"
Radius of boom hinge pin	X	3' 2"
Height of boom hinge pin	Y	6' 11"
Overall height, 40° boom in travel position over front with boom mast retracted and linked to boom		13' 0"
Overall width outriggers extended (c/l of jacks)		19' 6"
Overall width outriggers retracted (floats removed)		11' 0"

DRUM ROPE CAPACITIES LINE-SPEEDS AND LINE PULL

Wire Rope Dia.	FRONT DRUM						REAR DRUM					
	Lagging		Line Pull and Speed		Drum Capacities		Lagging		Line Pull and Speeds		Drum Capacities	
	Root Dia.	Groove	F.P.M. 1st Layer	Pull, lbs. 1st Layer	1st Layer Capacity	Total Capacity	Root Dia.	Groove	F.P.M. 1st Layer	Pull, lbs. 1st Layer	1st Layer Capacity	Total Capacity
3/4"	14"	Smooth	162	20,200	77'	1071'	14"	Smooth	162	20,200	77'	1071'
3/4"	BOOMHOIST DRUM						THIRD DRUM					
	10 1/2"	Smooth	131	22,800	60'	370'	10 1/2"	Smooth	131	22,800	60'	370'

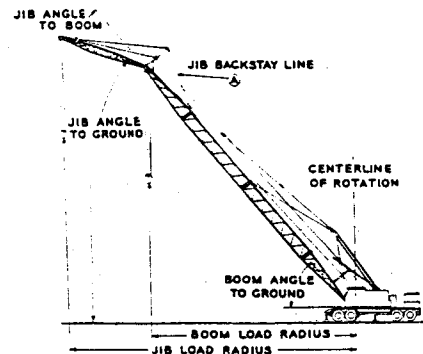
AXLE LOADINGS (approximate)



DESCRIPTION	Component Weight	Total Weight	Upper Facing Front		Upper Facing Rear	
			Front	Rear	Front	Rear
Standard carrier complete with 40' tubular "Hi-Lite" boom, boom mast, bumper ctwt., hoist lines, backstops.		100,750	24,680	76,070	42,140	58,610
Removable Components						
40' tubular "Hi-Lite" boom with pendants	- 4,300		+ 7,200	- 2,900	+ 5,445	- 9,745
20' top section with pendants	- 2,740		- 5,580	+ 2,840	+ 4,435	- 7,175
Boom mast spreader bar and bridle	- 2,570		- 2,290	- 280	+ 1,240	- 3,810
Upper counterweight	- 18,000		+ 7,600	- 25,600	- 15,050	- 2,950
Bumper counterweight	- 4,300		- 5,530	+ 1,230	- 5,530	+ 1,230
Front outrigger box complete	- 5,000		- 2,670	- 2,330	- 2,670	- 2,330
Front outrigger beams only	- 3,500		- 1,870	- 1,630	- 1,870	- 1,630
Rear outrigger box complete	- 5,000		+ 1,460	- 6,460	+ 1,460	- 6,460
Rear outrigger beams only	- 3,500		+ 1,020	- 4,520	+ 1,020	- 4,520
Added Components						
Third drum	+ 1,400		+ 390	+ 1,010	+ 185	+ 1,215
Drum lowering clutch	+ 350		+ 50	+ 300	+ 90	+ 260
Front drum planetary, either side	+ 450		+ 65	+ 385	+ 120	+ 330
Rear drum planetary, either side	+ 450		0	+ 450	+ 180	+ 270
Detroit Diesel — 8V71-N (carrier)	+ 750		+ 770	- 20	+ 770	- 20
GM6082, with torque converter (upper)	+ 2,006		- 536	+ 2,542	+ 1,355	+ 651

HC-138 JIB CAPACITIES

Jib Angle To Ground	JIB LENGTH			
	20'	30'	40'	50'
80°	20,000	16,000	12,000	8,000
65°	16,000	13,000	10,000	6,000
50°	13,000	10,000	8,000	5,000
35°	10,500	8,000	6,000	4,000
20°	9,500	7,000	5,000	3,000



- Capacities shown are in pounds and are based on a Link-Belt Speeder jib with a cross section 30" wide by 24" deep and used with a 10' 0" high jib mast in the proper working position.
- For jib angle to ground, deduct jib angle to boom from the boom angle to ground.
- The jib backstay line (A) is anchored to the boom upper section.
- The jib angle to boom must not exceed 30°.
- Determining machine jib capacities
 - Add the length of boom plus length of jib used.
 - Determine the jib load radius.
 - Refer to lifting crane capacity chart and select the boom length that corresponds to the total length of boom and jib in (a) and the radius in (b).
 - The jib capacity is equal to the lifting crane capacity unless restricted by the maximum jib capacities shown above.
- If the total length of boom and jib exceeds the longest boom length listed in the lifting capacity chart deduct 600 lbs. from the capacity shown for the longest boom length for the radius required in (b).
 - The jib capacity is the resulting figure unless restricted by the maximum jib capacities shown above.
- Determining lifting crane capacities with jib on boom:
 - when operating off the main boom peak sheaves with a jib on the boom, the following reductions in machine lifting capacities must be made.

(1) 20' jib — 1,600 lbs.	(3) 40' jib — 2,200 lbs.
(2) 30' jib — 1,900 lbs.	(4) 50' jib — 2,500 lbs.

MAXIMUM BOOM—JIB MACHINE CAN LIFT OFF GROUND UNASSISTED

*Reduced travel speeds are recommended with long booms; safe speeds depend on road conditions.

	Boom	Boom + Jib
On tires and travel*		
Over rear	140'	120' + 50'
Over Side	120'	100' + 50'
On outriggers		
Over rear	160'	160' + 50'
Over side	160'	150' + 50'

GENERAL SPECIFICATIONS

GENERAL INFORMATION ONLY

CARRIER (Truck-type — 8x4 — Link-Belt Speeder).

FRAME — Main members alloy steel channel. Machined turntable mounting surface.

FRONT AXLES — Tandem, bogie beam mounted, Shuler Tubular Model FTKC; 110¹/₄" track.

REAR AXLES — Tandem, Clark Planetary Model BD50-70, double reduction, bogie beam mounted; 100" track.

WHEELS AND RIMS — Cast spoke type, front. Integral with planetary hub, rear. 20" wheels, 10" rims.

TIRES — Single tires, front, dual tires rear.

Standard — 14:00 x 20, 18-ply rating, transport type tread.

Optional — 14:00 x 20, 18-ply rating, Custom Hi-Miler.

Optional — 14:00 x 20, 18-ply rating, HCT Rock type tread.

Optional — 14:00 x 20, 18-ply rating, Super Road Lug.

OUTRIGGERS — Full width, double-box front and rear, pin connected to carrier frame. Hydraulically operated beam and jack cylinders are individually controlled from either side of the carrier. Optional control from carrier cab, upper or from any combination available. Hydraulic power is supplied by carrier engine driven hydraulic pump. Check valve at each jack cylinder. pontoons are alloy steel, lightweight.

BRAKES — (Air)

Service — Eight wheel air brakes standard. MAXI-BRAKE on rear wheels, and single diaphragm air chambers on front wheels. Internal expanding.

Size and Area —

Rear Wheels — 16¹/₂" x 17", total effective lining area 910 sq. in.

Front Wheels — 17" x 4", total effective lining area 500 sq. in.

Digging — Eight-wheel service brake applied with air valve on carrier dash.

Parking — Four-wheel rear brakes applied with air valve on carrier dash.

Emergency — Brakes on four rear wheels apply when air pressure drops below 45 p.s.i. in the system. Emergency brake may be manually applied at any time by hand control of dash mounted air valve.

STEERING — Power hydraulic, Ross Model HPS70; 20" diameter wheel.

TURNING RADIUS — 50' 10" over outside of front bumper.

ENGINES — Gasoline or diesel, 12-volt alternator or generator, starter, pressure lubrication, radiator, air cleaner, 15 c.f.m. air compressor, hydraulic pump.

Standard — Waukesha F817-G gasoline engine, six cylinder, four cycle, 5³/₈" bore, 6" stroke, 817 cu. in. displacement, 272 maximum brake horsepower at 2,400 r.p.m. full load speed. Peak torque 721 ft. lbs. at 1200 r.p.m.

Optional — GM 6V-71N diesel engine, six cylinder, two cycle, 4¹/₄" bore, 5" stroke, 426 cu. in. displacement, 252 maximum brake horsepower at 2,300 r.p.m. full load speed. Peak torque 649 ft. lbs. at 1,400 r.p.m.

Optional — GM 8V-71N diesel engine, eight cylinder, two cycle, 4¹/₄" bore, 5" stroke, 568 cu. in. displacement, 280 maximum brake horsepower at 2,300 r.p.m. governed load speed. Peak torque 760 ft. lbs. at 1,200 r.p.m.

CLUTCH — Lipe Rollway, 14" 2-plate.

TRANSMISSIONS —

Main — Fuller RTO 915 with fifteen speeds forward and three reverse.

Auxiliary — Fuller 2A92, 2 speed, midship mounted, for creeping only.

UNIVERSALS — Rockwell Standard or Mechanics Universal.

CAB — One-man, fully enclosed.

ELECTRICAL SYSTEM — 12 volt system, including dual sealed beam headlights, directional signals with four-way flashing system, stop and tail lights, clearance lights, horn, two-speed windshield wiper, lighting of instrument panel, dome light, headlight dimmer switch. Two 12-volt 200 ampere batteries.

WEIGHT — Standard truck with bumper cwt., less turntable bearing approximately 48,160 lbs.

STANDARD EQUIPMENT — Bus type rear view mirrors, boom guide, lug wrench, a two way reading bubble level, and tire inflation hose. Instrument panel and dash includes speedometer, ammeter, fuel gauge, engine temperature gauge, air pressure gauge, oil pressure gauge, low air pressure warning buzzer, key start ignition switch, choke and throttle controls, tachometer. High pressure lube fittings at all bearing points; 70-gal. total capacity fuel tanks.

SPEEDS — All speeds are for HC-138 with engines at governed full load r.p.m.; (GM-2,300 r.p.m. — Waukesha-2,400 r.p.m.)

Gear	Main-Fuller RT0915 15 Speed	Auxiliary-Fuller 2A92 — 2 Speed				
		Waukesha F-817-G		GM 6V-71N		
		1.00:1.00	2.298:1.00	1.00:1.00	2.298:1.00	
High	10th	.81	46.4 mph	20.3 mph	44.4 mph	19.4 mph
	9th	1.00	37.6 mph	16.4 mph	36.0 mph	15.7 mph
	8th	1.26	29.8 mph	13.0 mph	28.6 mph	12.5 mph
	7th	1.59	23.7 mph	10.3 mph	22.6 mph	9.9 mph
	6th	2.04	18.4 mph	8.0 mph	17.7 mph	7.7 mph
	Rev.	2.21	17.0 mph	7.4 mph	16.3 mph	7.1 mph
Low	5th	2.59	14.5 mph	6.3 mph	13.9 mph	6.1 mph
	4th	3.20	11.8 mph	5.1 mph	11.3 mph	4.9 mph
	3rd	4.04	9.3 mph	4.1 mph	8.9 mph	3.9 mph
	2nd	5.10	7.4 mph	3.2 mph	7.1 mph	3.1 mph
	1st	6.51	5.8 mph	2.5 mph	5.5 mph	2.4 mph
	Rev.	7.06	5.3 mph	2.3 mph	5.1 mph	2.2 mph

Gear	Main-Fuller RT0915 15 Speed	Auxiliary-Fuller 2A92 — 2 Speed				
		Waukesha F-817-G		GM 6V-71N		
		1.00:1.00	2.298:1.00	1.00:1.00	2.298:1.00	
Deep Reduction	5th	3.87	9.7 mph	4.2 mph	9.3 mph	4.1 mph
	4th	4.78	7.7 mph	3.4 mph	7.5 mph	3.3 mph
	3rd	6.03	6.2 mph	2.7 mph	6.0 mph	2.6 mph
	2nd	7.62	4.9 mph	2.1 mph	4.7 mph	2.1 mph
	1st	9.73	3.9 mph	1.7 mph	3.7 mph	1.6 mph
	Rev.	10.55	3.6 mph	1.6 mph	3.4 mph	1.4 mph

The deep reduction low (1st) and reverse speed, with the auxiliary in low gear speed, are based on peak engine torque at 1,200 r.p.m., giving a creep speed 0.46 m.p.h.

UPPER FRAME — All-welded, stress-relieved, precision machined unit. Side housings are welded integral with upper frame.

TURNTABLE BEARING WITH INTEGRAL GEAR — X Roller bearing type. Outer race with external swing gear is bolted to carrier; inner race bolted to upper frame. A machined surface is provided for mounting turntable bearing.

TRANSMISSION — Link-Belt quadruple roller chain enclosed in oil tight chain case with integral sump. Pump driven oil stream lubrication. Engine pinion and chain wheel have machine-cut teeth.

REDUCTION SHAFT — Consist of two shafts with drive pinions. Shafts mounted in line bores on anti-friction bearings. Pinions have machine-cut teeth.

CLUTCHES — Speed-O-Matic power hydraulic actuated for swing, operating drums, boomhoist, third drum and optional load lowering. Internal expanding, two shoe type, aluminum alloy shoes; 18" diameter, 4 $\frac{1}{2}$ " face width.

Spiders — Involute splined to horizontal shafts.

DRUMS — Front, rear, and third (optional) operating drums.

Shafts — Mounted in line bores on anti-friction bearings. Extended to accommodate optional load lowering clutches. Special shaft required to accommodate two-speed planetary driven drums on front and rear drums.

Spur Gears — Machine-cut teeth; mounted on anti-friction bearings on shaft.

Clutch Drums — Bolted to spur gears.

Brakes — Two-piece, external contracting band, mechanically foot pedal operated, front and rear drum 32" diameter 4" face width; third drum 26" diameter 4" face width.

Brake Drums — One-piece, smooth, involute splined to drum shaft.

Drum Laggings — Involute splined to shaft.

DRUM ROTATION INDICATOR (Optional) — Mounted on control stand. Dial actuated by flexible shaft from front and rear main operating drum shafts.

TWO-SPEED FRONT AND REAR DRUMS (Optional) — Planetary driven hoist and lowering. Planetary unit mounts between spur gear and two-shoe clutch drum on extended shaft; available for 70% increase or 40% decrease of standard hoist and load lowering rope speeds. Two-shoe clutch gives standard speed. Planetary controlled by external contracting band through push-button located on clutch control lever.

HORIZONTAL SWING SHAFT — Mounted in line bore on anti-friction bearings.

Spur Gears — Machine-cut teeth. Mounted on shaft on anti-friction bearings.

Bevel Gear — Machine-cut teeth, involute-splined to shaft, fully enclosed and running in oil.

Swing Brake — Two-directional, external contracting band, 18" diameter 3" face width; spring applied and power hydraulically released.

Brake Drum — Involute splined to shaft. 18" diameter 3 $\frac{1}{4}$ " face width.

INDEPENDENT BOOMHOIST — Spur gear driven with precision boom raising through a 2-shoe clutch and boom

lowering through a planetary. A rope drum locking pawl, manually controlled from operators position, is provided.

Shaft — Mounted in line bore on anti-friction bearings.

Spur Gear — Machine-cut teeth mounted on anti-friction bearings on shaft.

Wire Rope Drum — Involute-splined to shaft, with ratchet wheel cast integral.

Brake Drum — Involute splined to shaft, 26" diameter 4 $\frac{1}{2}$ " face width.

Brake — External contracting band, 26" diameter 4" face width, spring applied and power hydraulically released.

Planetary Boom Lowering — Unit mounts on outer end of boomhoist shaft. Planetary is activated by external contracting band brake which is controlled by operator from operators control stand.

Boom Lowering Clutch (Optional) — Two-shoe clutch for higher speed boom lowering mounts on shaft outside the planetary unit. Clutch drum bolted to outer face of planetary housing.

BOOMHOIST LIMITING DEVICE — A cab mounted device which, when it comes in contact with the boom, trips a switch and deactivates an electrically energized solenoid valve located in hydraulic boomhoist clutch circuit. The deactivated solenoid valve releases the boomhoist clutch and a spring automatically applies the boomhoist brake. In normal operation, the boom must be lowered before it can be raised again. After solenoid valve is deactivated, an emergency bypass switch mounted on control stand allows hoisting boom for release of drum locking pawl.

VERTICAL SWING SHAFT — Mounted in line bore on anti-friction bearings.

Bevel Gear — Machine-cut teeth, involute-splined to shaft, fully enclosed and running in oil.

Swing Pinion — Involute-splined to shaft; teeth mesh with external teeth of turntable bearing.

SWING LOCK — Mechanically controlled pawl engages with external teeth of turntable bearing.

SWING SPEED — 3.36.

BAIL — Pinned to upper frame, to support boom suspension system. Contains six sheaves, mounted on anti-friction bearings for 14-part boomhoist.

CAB — Operator door swings, rear double doors slide on ball bearing rollers, all other doors hinged; safety glass panels.

COUNTERWEIGHT — 18,000 pounds. Power hydraulic raised or lowered in seconds. Held in place on two hydraulically controlled frustums. Control valves at rear of upper.

CONTROL SYSTEM — Speed-o-Matic power hydraulics; an open system. Operating pressure is transmitted through oil to all operating two-shoe clutch cylinders, swing brake and boomhoist drum brake cylinders. The system includes a pump to provide a constant flow of oil, an accumulator to maintain operating pressure and variable pressure operator-controlled valves to regulate this pressure to each clutch cylinder.

Pump — Vickers; rated at 4.7 g.p.m. at 1,200 r.p.m.

Oil Filter — Link-Belt Speeder; replaceable Skinner ribbon-type filter element.

Relief Valve — Link-Belt Speeder; set to operate at 1,250 p.s.i.

Unloader Valve — Link-Belt Speeder; set to unload

GENERAL INFORMATION ONLY

pump at a maximum 1,050 p.s.i. and to load pump when pressure drops below 900 p.s.i.

Accumulator — Link-Belt Speeder; piston-type, pre-charged with nitrogen gas to 650 p.s.i.

Sump Tank — Link-Belt Speeder; 7 gal. capacity with filter and strainer assembly.

Control Valves — Link-Belt Speeder; variable pressure type.

ENGINES — Full pressure lubrication, oil filter, air cleaner, hour meter, hand and foot throttles, 74-gal. capacity fuel tanks with fuel gauge.

	Waukesha F-554-G (1)	GM 6-71 Series (Model 6082) with torque converter (2)	GM 4-71 Series (Model 4030N)	GM 4-71 Series (Model 4082) with torque converter (3)	Cummins H-743-P with torque converter (4)
Number of cylinders	6	6	4	4	6
Bore and stroke (inches)	5 ⁵ / ₈ x 5 ¹ / ₂	4 ¹ / ₂ x 5	4 ¹ / ₄ x 5	4 ¹ / ₄ x 5	5 ¹ / ₈ x 6
Piston displacement (cu. in.)	554	425.6	283.7	283.7	743
High idle speed, r.p.m.	1,880	1,940	1,990	1,207 @ pinion 1,670 @ crankshaft	1,830
Engine r.p.m. F.L.S.	1,710	1,800	1,850		1,740
Net engine H.P. @ F.L.S.	109	165	110	112	144
Peak torque; Lbs. Ft.	427	1,400	351	1,000	1,770
Peak torque; r.p.m.	800	(output stall)	1,200	(output stall)	(output stall)
Electrical system	12 volt	12 volt	12 volt	24 volt	12 volt
Batteries	2—6-volt	1—12-volt	2—6-volt	2—12-volt	2—12-volt
Clutch — Type	Friction-Hyd. cplg.	Disconnect between engine-converter	Friction-Hyd. cplg.	Disconnect between engine-converter	Disconnect between engine-converter
Make	Twin Disc		Twin Disc		
Model	SP211-HP-1		SP111-HP-1		
Transmission —					
No. chain wheel teeth	161	161	161	161	161
No. engine pinion teeth	18	18	17	28	18

(1) Two-speed Cotta transmission available.

(2) Allison TCDO 475 Single Stage Converter.

(3) 3.4 ratio Torquomatic TDCOA 435 Single Stage Converter.

(4) Twin Disc Model CO-10065-TC-1 three stage converter.

FRONT END CRANE BOOM EQUIPMENT

BOOM — "Hi-Lite" Tubular. Two-piece; 40' total length, 20' upper and lower sections, 44" deep and 54" wide at connections. Chords alloy steel, 3" outside diameter. Lacing of round steel tubing fully coped to fit chords.

Boomfoot — 2³/₈" wide on 54" centers.

Boompoint Machinery — Five heat-treated, 18" root diameter sheaves mounted on anti-friction bearings on boom peak shaft.

Connections — In-line pin-connections facilitate insertion or removal of boom extensions. Tapered pin (with latch pin) for fast, easy pin-up. Exclusive design in-line pin lugs welded to chord tube. Extended hub on female connection serves as anchor for jib staylines and pendant lines when assembling boom.

BOOM EXTENSIONS — Available in 10', 15', 20' and 30' lengths with proper length pendants.

BOOM BACKSTOPS — Dual, lever type with spring-loaded bumpers.

BOOMHOIST BRIDLE — Serves as a connection between the pendants and live boomhoist rope. Bridle contains 12" root diameter sheaves mounted on anti-friction bearings; 6¹/₂" root diameter auxiliary hoist sheaves mounted on bronze bushings which enable mast to be used as a short boom.

BOOM MAST — Mounts on front of upper frame; supports boomhoist bridle and mid-point suspension pendants. Required for all boom lengths. Hydraulically extends from 19' to 23' long for working position, mechanically retracts to 19'. Controlled by hand valve located on control panel.

Boom Mast Backstops — Mast backstops with spring-loaded bumpers are welded to inner side of each main backstop member for the mast when used as a boom.

JIB — 20' two-piece with 10' upper and lower sections; 10' extensions available for 30', 40' or 50' jib. Jib is 30"

wide and 24" deep at the connections; chords are 1¹/₂" outside diameter tubing.

Connections — In-line pin connections permit easy removal and addition of sections.

Jib Mast — 10' high, mounted on jib base section. Two deflector sheaves within the mast, mounted on anti-friction bearings for jib hoist line; two equalizer sheaves for jib frontstay and jib backstay lines mounted to top of mast.

Jib Backstops — Telescoping type, spring loaded; pinned from jib mast to boom upper section and from jib mast to jib lower section.

Peak Sheave — Mounted on anti-friction bearings.

Peak Shaft — Anchor is provided at peak of jib for two-part jib hoist line. Line anchors are suspended from the shaft.

FAIRLEADER — Full-revolving type with barrel, sheaves, and guide rollers mounted on anti-friction bearings.

TAGLINER WINDER — Rud-o-Matic Model 648; spring wound drum type mounted on crane boom. Cable pull off drum — 60' to 75' from neutral.

BOOM ANGLE INDICATOR — Mounted near boom base.

ROPE SUPPORTING ROLLERS — To deflect main hoist line over top of boom. Required when third drum rope passes over crane boom. Rollers mounted on anti-friction bearings; following numbers recommended — One through 100'; two through 110'; three through 130'; four through 150'; five through 160'. Requirements increased by one on booms from 50' through 160' when using third drum rope over boom head.

BOOM FOLDING EQUIPMENT (Optional) — A special 10' boom section with lifting lugs is inserted. Upper portion of boom to be folded must be 15' or 20' shorter than lower portion. Two links inserted in pendant lines serve to carry folded boom, as well as eliminate the necessity of disconnecting the pendants when the boom is folded. The special section and links can remain in place at all times. A folding wheel and bracket pin-connects at boom top. Wheel has a 6:50 x 16, 6-ply rating grooved implement tire.

WIRE ROPE— GENERAL INFORMATION ONLY

TYPE AND SIZE USED

- Live Boomhoist — Type "N", 3/4" dia.
- Main Hoist — Type "N", 3/4" dia.
- Jib Hoistline — Type "K", 3/4" dia.
- Tagline — Type "A", 5/8" dia.
- Jib Staylines — Type "N", 3/4" dia.
- Boom Pendants — Type "N", 1 1/4" dia.
- Mid-Point Suspension Pendants — Type "F", 3/4" dia., Type "N", 7/8" dia.

WIRE ROPE TYPES

Type "A" — 6 x 25 (6 x 19 class), filler wire, improved plow steel, preformed, fiber center, right lay, regular lay.

Type "F" — 6 x 25 (6 x 19 class), filler wire, improved plow steel, preformed, independent wire rope center, right lay, regular lay.

Type "K" — 18 x 7 non-rotating, improved plow steel, fiber center.

Type "N" — 6 x 25 (6 x 19 class), filler wire, extra improved plow steel, preformed, independent wire rope center, right lay, regular lay.

JIB MAST STAYLINES

Backstay — 48' 10" long (39' 3" plus two each 4' 9 1/2" long), for 30° jib to boom angle; removal of 4' 9" lengths allows 15° and in-line jib to boom angle.

Frontstay — For all booms with 20' jib, 46' 5" long. Each 10' jib extension is supplied with two pendants 9' 4" long.

MAIN HOIST LINE LENGTH

Parts of Line	Boom Length (in feet)												
	40	50	60	70	80	90	100	110	120	130	140	150	160
1	125	145	165	185	205	225	245	265	285	305	325	345	365
2	175	200	230	260	290	320	350	380	410	440	470	500	530
3	215	255	295	335	375	415	455	495	535	575	615	655	695
4	260	310	360	410	460	510	560	610	660	710	760	810	860
5	305	365	425	485	545	605	665	725	785	845	905	965	—
6	350	420	490	560	630	700	770	840	910	980	—	—	—
7	395	475	555	635	715	795	875	955	—	—	—	—	—
8	440	530	620	710	800	890	980	—	—	—	—	—	—
9	485	585	685	785	885	985	—	—	—	—	—	—	—
10	530	640	750	860	970	—	—	—	—	—	—	—	—

LIVE BOOMHOIST ROPE LENGTH 530'

JIB HOISTLINE LENGTH

Jib Length (in ft.)	Parts of Line	Boom Length (in feet)												
		40	50	60	70	80	90	100	110	120	130	140	150	160
20	1	135	155	175	195	215	235	255	275	295	315	335	355	375
20	2	200	230	260	290	320	350	380	410	440	470	500	530	560
30	1	155	175	195	215	235	255	275	295	315	335	355	375	395
30	2	230	260	290	320	350	380	410	440	470	500	530	560	590
40	1	175	195	215	235	255	275	295	315	335	355	375	395	415
40	2	260	290	320	350	380	410	440	470	500	530	560	590	620
50	1	195	215	235	255	275	295	315	335	355	375	395	415	435
50	2	290	320	350	380	410	440	470	500	530	560	590	620	650

We are constantly improving our products and therefore reserve the right to change designs and specifications. For certified dimensions, consult factory.



Link-Belt Speeder

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