

The Answer for engineered solutions in heavy lifting & crane recovery applications



A MEMBER OF TIMBERLAND GROUP

**ENGINEERED
DERRICK
SOLUTIONS**

ENGINEERING
MANUFACTURING
PROJECT MANAGEMENT
SEAMLESS DELIVERY
FIELD SERVICE

TE **TIMBERLAND
EQUIPMENT
LIMITED**

Courtesy of CraneMarket.com

DERRICKS & HOISTS FOR HEAVY CONSTRUCTION PROJECTS

Building on over 70 years of heavy lifting and tensioning experience, Timberland Equipment has emerged as a leading force in the design and delivery of engineered hoists, winching and derrick systems for construction and mining projects worldwide.



Engineering and Design

Timberland designs and builds a broad product range of derricks including modular portable derricks which can be transported up and down high rise buildings via elevator to high capacity derricks installed on large civil and mining construction sites. From 1 to 500 ton derricks, standard derricks and heavy lift hoisting packages.



Adjustability and Configurations

All of our standard stiffleg (fixed and adjustable) derricks can be configured into a Guyline, Column and Chicago Boom configuration.

Consult Timberland's expert team for load capacity charts and any additional features required for your specific configuration and requirements.



Modular Construction & Standardization

Timberland's standard modular design allows for interchangeability between boom and mast sections as well as between leg and sill sections.

Our modular component design provides balance between practical set-up of the machine and ease of handling and transport.

Customization

Timberland thrives when custom applications are required. Consult our team of highly qualified engineers and senior sales consultants for custom derrick and hoist applications.

Managing Risk

Custom Design



Continued Support

Our team works hand in hand with customers and local regulatory authorities to ensure seamless project implementation.

Timberland supplies with each Adjustable Stiffleg Derrick, a computer program to show the derrick capacity and reactions for any configuration within the adjustability range. This program is also available on our website.

35 TON ADJUSTABLE STIFFLEG DERRICK (ASD35-120)

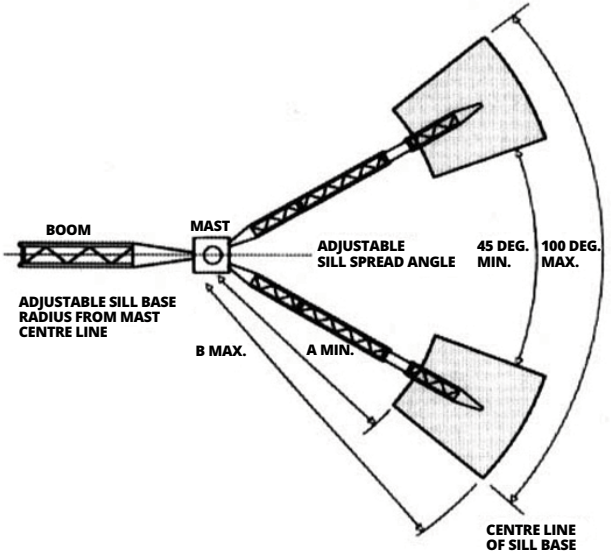


Managing Risk

Timberland Equipment is a global leader in the integrated design, manufacture and support of engineered winches, hoists, sheaves derricks and tensioning equipment. Our renewed customer-first focus and field experience bring us a unique understanding of the many dimensions of “risk” that our customers face.

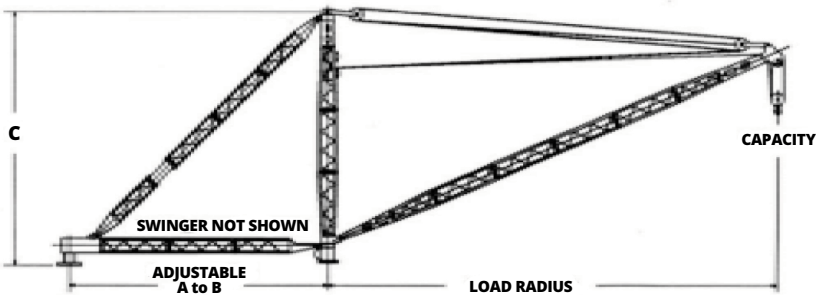
STANDARD FEATURES AND BENEFITS

- Adjustable sill and leg lengths
- Adjustable sill spread angle from 45° to 100°
- Standard maximum boom length of 123'-4"
- Boom, mast, sill and leg sections 8'-4"
- Lattice construction
- Sheaves have machined rope grooves and sealed anti-friction bearings
- Mechanical boom angle indicator
- Electro-hydraulic swinger drive
- Swing limit switches
- Load & boom blocks
- Multi position mast base design
- Standard hoist package allows for max lift height of 850' fully reeved
 - 8 Part line for the load line
 - 10 Part line for the boom line
- Rated minimum operating temperature -20°C (-4°F)



OPTIONS

- Bolt on rigging package
- Erection Gin Pole or Crane
- Load Moment Indicator (LMI) package including:
 - Anti 2-Block
 - Anemometer
 - Load Sensing
 - Digital display of boom and swing angles
- Beacon on top of mast
- Swinger remote control (25 ft. pendant)
- Additional 25 ft. remote extensions upon request
- Cold temperature package to allow for operation down to -40°C (-40°F)
- 1800' 35 Ton Extended Lift Height Derrick option



Model	Boom Length	LOAD RADIUS (FT.)												A	B	C
		15	20	30	40	50	60	70	80	90	100	110	120			
ASD35-65	65'-0"	35.0	35.0	35.0	35.0	31.2	25.3									
ASD35-75	73'-4"		34.4	34.4	34.4	31.2	25.4	21.2								
ASD35-80	81'-8"		29.7	29.0	28.4	27.8	25.4	21.2	18.1							
ASD35-90	90'-0"		24.3	23.7	23.0	22.4	21.8	21.2	18.1	15.6						
ASD35-100	98'-4"			19.2	18.5	17.9	17.3	16.7	16.2	15.6				25'-7"	34'-8"	35'-1"
ASD35-110	106'-8"			15.4	14.8	14.2	13.6	13.0	12.4	11.9	11.4					
ASD35-115	115'-0"			12.2	11.6	11.0	10.4	9.8	9.3	8.7	8.2	7.8				
ASD35-120	123'-4"			9.5	8.9	8.3	7.7	7.2	6.6	6.1	5.6	5.1	4.7			

35 Ton derrick ratings above are in short tons (2,000 lbs) and based on a 90 degree sill spread angle and sill length of 34'-8". These charts are for reference only. Please consult Timberland or refer to Timberland's online calculator for specific load cases.

17 TON ADJUSTABLE STIFFLEG DERRICK (ASD17-110)

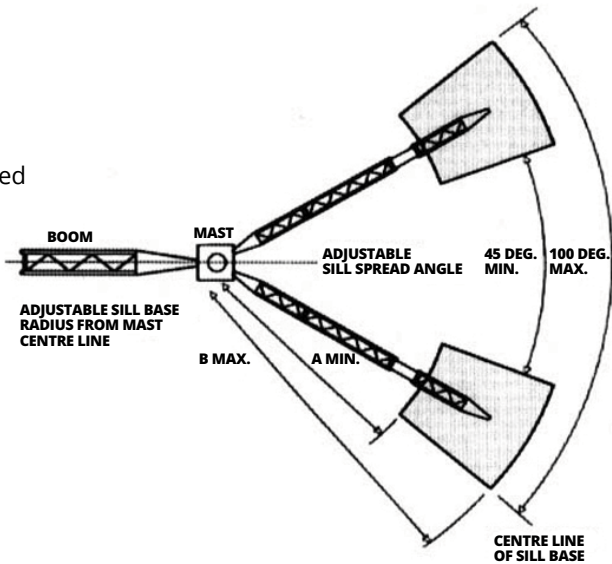


Seamless Delivery

Timberland engineering and manufacturing bring together all the expertise you need working together under one roof to develop, deliver and support your engineered solutions. Our end-to-end view of customer projects, from design concept to lifelong support, allows direct accountability and clear communications to ensure the success of your project.

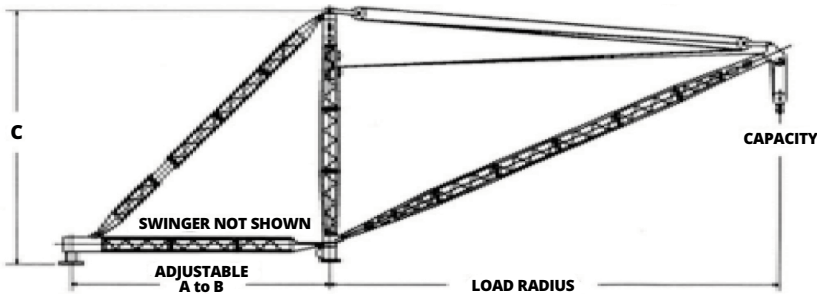
STANDARD FEATURES AND BENEFITS

- Adjustable sill and leg lengths
- Adjustable sill spread angle from 45° to 100°
- Standard maximum boom length of 106'-8"
- Boom, mast, sill and leg sections 8'-4"
- Lattice construction
- Sheaves have machined rope grooves and sealed anti-friction bearings
- Mechanical boom angle indicator
- Electro-hydraulic swinger drive
- Swing limit switches
- Load & boom blocks
- Multi position mast base design
- Standard hoist package allows for max lift height of 1700' fully reeved
 - 4 Part line for the load line
 - 7 Part line for the boom line
- Rated minimum operating
 - Temperature -20°C (-4°F)



OPTIONS

- Bolt on rigging package
- Erection Gin Pole or Crane
- Load Moment Indicator (LMI) package including:
 - Anti 2-Block
 - Anemometer
 - Load Sensing
 - Digital display of boom and swing angles
- Beacon on top of mast
- Swinger remote control (25 ft. pendant)
- Additional 25 ft. remote extensions upon request
- Cold temperature package to allow for operation down to -40°C (-40°F)



Model	Boom Length	LOAD RADIUS (FT.)										A	B	C			
		15	20	30	40	50	60	70	80	90	100						
ASD17-65	65'-0"	17.0	17.0	17.0	17.0	17.0	13.5					17'-5"	34'-6"	35'-6"			
ASD17-75	73'-4"	16.0	16.0	15.5	15.5	14.5	14.0								11.5		
ASD17-80	81'-8"	12.5	12.5	12.0	11.5	11.0	11.0								10.5	9.5	
ASD17-90	90'-0"	10.0	9.5	9.0	9.0	8.5	8.0								7.5	7.5	7.0
ASD17-100	98'-4"		7.5	7.0	6.5	6.0	5.5								5.5	5.0	4.5
ASD17-110	106'-8"		5.5	5.0	4.5	4.0	4.0								3.5	3.0	3.0

17 Ton derrick ratings above are in short tons (2,000 lbs) and based on a 90 degree sill spread angle and sill length of 34'-6". These charts are for reference only. Please consult Timberland or refer to Timberland's online calculator for specific load cases.

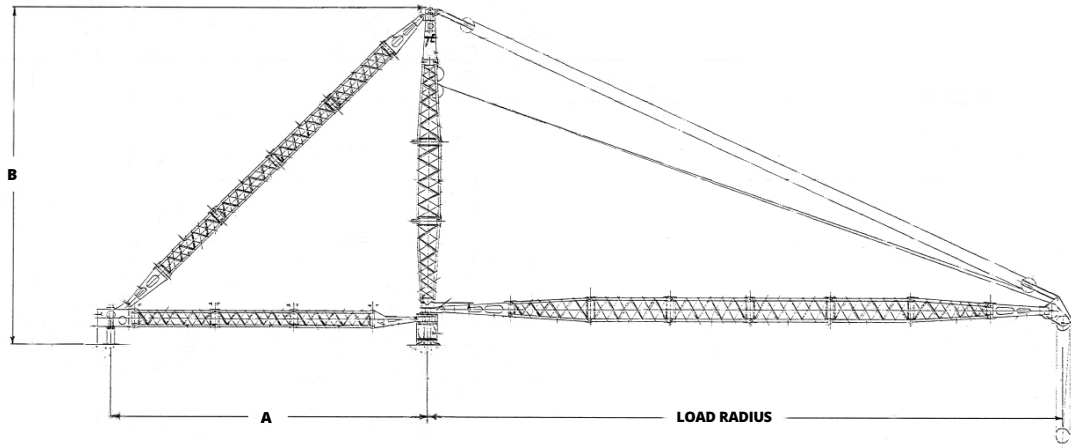
10 TON STIFFLEG DERRICK (SD10-87)

STANDARD FEATURES AND BENEFITS

- Fixed sill and leg length
- Fixed sill spread angle at 90°
- Standard maximum boom length of 87'-0"
- Boom, mast, sill and leg sections 6'-0"
- Lattice construction
- Sheaves have machined rope grooves and sealed anti-friction bearings
- Mechanical boom angle indicator
- Electro-hydraulic swinger drive
- Swing limit switches
- Load & boom blocks
- Multi position mast base design
- Standard hoist package allows for max lift height of 850' fully reeved
 - 4 Part line for the load line
 - 6 Part line for the boom line
- Rated minimum operating temperature -20°C (-4°F)

OPTIONS

- Load Moment Indicator (LMI) package including:
 - Anti 2-Block
 - Anemometer
 - Load Sensing
 - Digital display of boom and swing angles
- Beacon on top of mast
- Swinger remote control (25 ft. pendant)
- Additional 25 ft. remote extensions upon request
- Cold temperature package to allow for operation down to -40°C (-40°F)



Model	Boom Length	LOAD RADIUS (FT.)												A	B
		10	15	20	30	40	50	60	65	70	75	80	85		
SD10-45	45'-0"	10.0	10.0	10.0	10.0	10.0								30'-0"	30'-10"
SD10-51	51'-0"	10.0	10.0	10.0	10.0	10.0	10.0								
SD10-57	57'-0"	10.0	10.0	10.0	10.0	10.0	10.0								
SD10-63	63'-0"		10.0	10.0	10.0	9.6	9.2	9.2							
SD10-69	69'-0"		9.4	9.4	9.4	9.2	8.8	8.8	8.8						
SD10-75	75'-0"		8.5	8.5	8.5	8.5	8.5	8.2	8.2	8.2	7.1				
SD10-81	81'-0"			7.7	7.7	7.5	7.3	7.1	7.0	6.8	6.7	6.7			
SD10-87	87'-0"			6.7	6.5	6.3	6.1	5.8	5.7	5.7	5.6	5.5	5.3		

10 Ton derrick ratings above are in short tons (2,000 lbs) and based on a 90 degree sill spread angle and sill length of 30'-0". These charts are for reference only. Please consult Timberland for specific load cases.

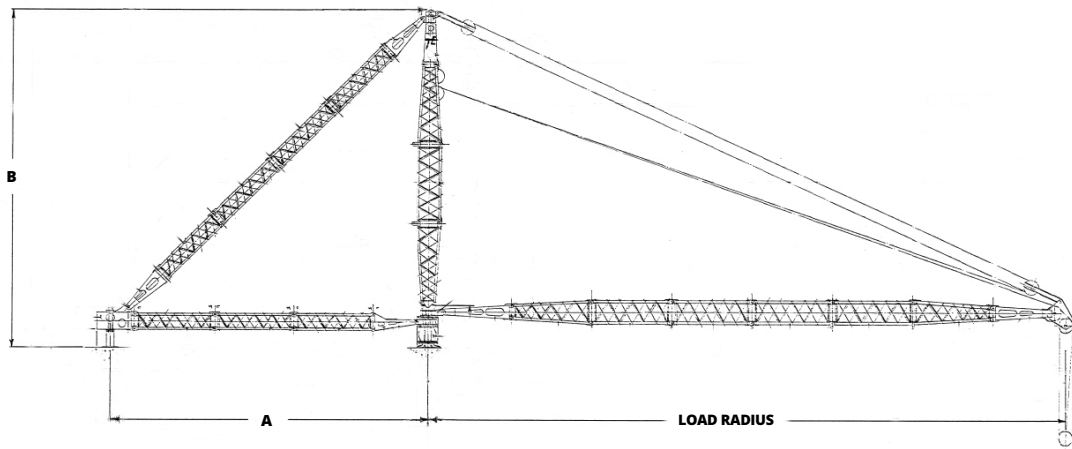
6 TON STIFFLEG DERRICK (SD6-66)

STANDARD FEATURES AND BENEFITS

- Fixed sill and leg length
- Fixed sill spread angle at 90°
- Standard maximum boom length of 66'-0"
- Boom, mast, sill and leg sections 6'-0"
- Lattice construction
- Sheaves have machined rope grooves and sealed anti-friction bearings
- Mechanical boom angle indicator
- Electro-hydraulic swinger drive
- Swing limit switches
- Load & boom blocks
- Multi position mast base design
- Standard hoist package allows for max lift height of 850' fully reeved
 - 2 Part line for the load line
 - 5 Part line for the boom line
- Rated minimum operating temperature -20°C (-4°F)

OPTIONS

- Load Moment Indicator (LMI) package including:
 - Anti 2-Block
 - Anemometer
 - Load Sensing
 - Digital display of boom and swing angles
- Beacon on top of mast
- Swinger remote control (25 ft. pendant)
- Additional 25 ft. remote extensions upon request
- Cold temperature package to allow for operation down to -40°C (-40°F)



Model	Boom Length	LOAD RADIUS (FT.)												A	B
		10	15	20	25	30	35	40	45	50	55	60	65		
SD6-36	36'-0"	6.0	6.0	6.0	5.8	5.7	5.7							24'-0"	28'-0"
SD6-42	42'-0"	6.0	6.0	6.0	5.7	5.5	5.3	5.3							
SD6-48	48'-0"	6.0	6.0	6.0	5.6	5.3	5.2	5.1	5.1						
SD6-54	54'-0"		6.0	5.8	5.3	5.1	5.0	4.7	4.6	4.6					
SD6-60	60'-0"		5.6	5.5	5.1	4.8	4.7	4.6	4.5	4.5	4.2	3.5			
SD6-66	66'-0"		5.0	5.0	5.0	4.7	4.5	4.3	4.2	4.2	4.0	3.7	3.2		

6 Ton derrick ratings above are in short tons (2,000 lbs) and based on a 90 degree sill spread angle and sill length of 24'-0". These charts are for reference only. Please consult Timberland for specific load cases.

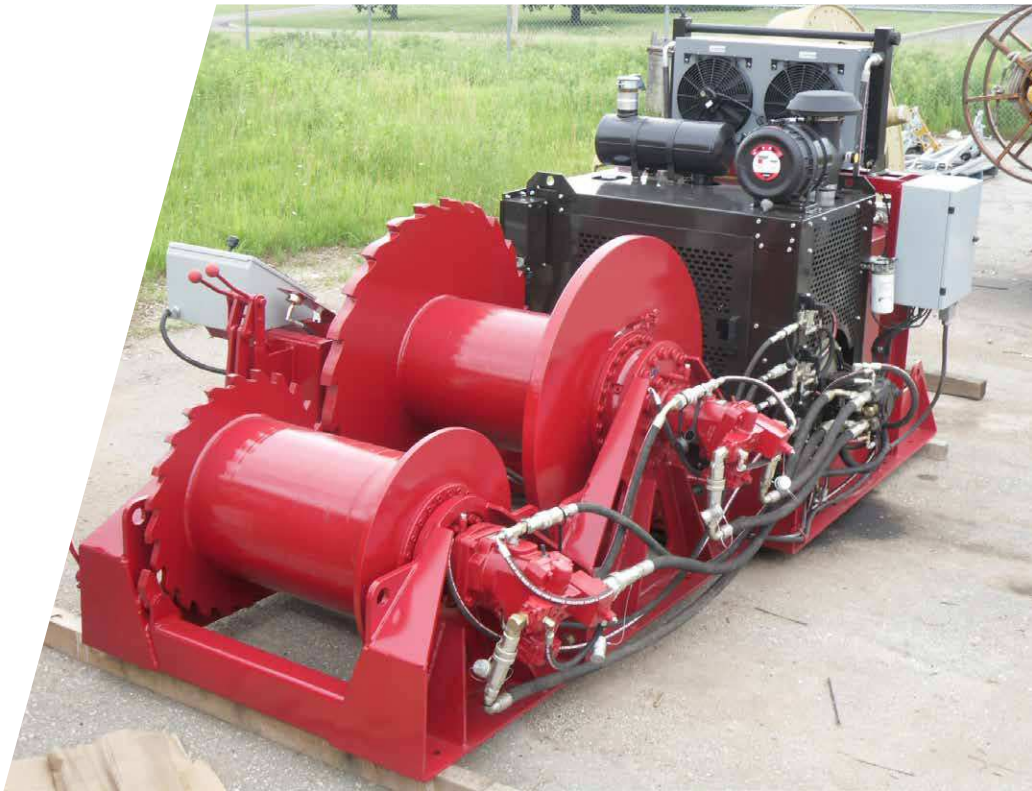
35 & 17 TON DERRICK HOISTS

STANDARD FEATURES AND BENEFITS

- Cascading double drum design
- Splits into 4 modules
 - Load Drum, Boom Drum, Engine, Reservoir/Cooler/Fuel Tank
- Modules can be bolted together, or positioned separately
- 850' lift height (35 ton) with 8-part line
- 1700' lift height (17 ton) with 4-part line
- 130 HP Diesel/Hydraulic powered with controlled lowering circuit
- 150% of SWL spring applied, hydraulic release driveline brake
- Manually actuated locking dogs
- Return to center joystick

OPTIONS

- 100 HP Electro-hydraulic powered
 - Retarder circuit available when run electric motor is run from Generator
- Quick disconnect hydraulic hoses & electric plugs
- Remote operator station, with hydraulically actuated locking dogs
- Operator Cab
- Wireless Remote Pendant
- Cold temperature package
- LMI Package with derrick
- Lebus Shell for Load Line Drum
- Other power units available upon request & location requirements



35 Ton Derrick Hoist Load Charts

Load Line (Rear Drum) - GP100-1-180-1-160DH				
Rope Layer	Low Speed Mode		High Speed Mode	
	Linepull (lbs)	Linespeed (fpm)	Linepull (lbs)	Linespeed (fpm)
1st Layer	10,000	93	9,700	200
Mid Drum	10,000	140	6,600	297
Full Drum	10,000	194	4,650	418

Boom Line (Front Drum) - GP100-1-180-1-160DH				
Rope Layer	Low Speed Mode		High Speed Mode	
	Linepull (lbs)	Linespeed (fpm)	Linepull (lbs)	Linespeed (fpm)
1st Layer	18,000	106	9,125	213
Mid Drum	18,000	122	9,125	244
Full Drum	18,000	130	9,125	260

17 Ton Derrick Hoist Load Charts

Load Line (Rear Drum) - GP100-1-120-1-160DH				
Rope Layer	Low Speed Mode		High Speed Mode	
	Linepull (lbs)	Linespeed (fpm)	Linepull (lbs)	Linespeed (fpm)
1st Layer	10,000	93	9,700	200
Mid Drum	10,000	140	6,600	297
Full Drum	10,000	194	4,650	418

Boom Line (Front Drum) - GP100-1-120-1-160DH				
Rope Layer	Low Speed Mode		High Speed Mode	
	Linepull (lbs)	Linespeed (fpm)	Linepull (lbs)	Linespeed (fpm)
1st Layer	12,000	144	4,350	398
Mid Drum	12,000	161	4,350	446
Full Drum	12,000	170	4,350	470

35 TON EXTENDED LIFT HEIGHT HOISTS OPTION



STANDARD FEATURES AND BENEFITS

- Designed to work with the optional 35 ton extended lift height Derrick
- 260 HP Diesel/Hydraulic powered with controlled lowering circuit
- 1800’ lift height on a single part line
- Two independent automatic braking systems
 - Driveline and band brake on load drum only
- Return to center joystick
- Quick disconnect hydraulic hoses & electric plugs
- Remote operator station, hyd actuated locking dogs

OPTIONS

- Lebus Shell
- Operator cab
- Other power units available upon request
- Wireless Remote Pendant

35 Ton Extended Lift Height Hoist Load Charts

Load Line - GP500-1-260DH				
Rope Layer	Low Speed Mode		High Speed Mode	
	Linepull (lbs)	Linespeed (fpm)	Linepull (lbs)	Linespeed (fpm)
1st Layer	50,000	35.7	14,000	50.0
Mid Drum	50,000	41.4	12,070	58.0
Full Drum	50,000	50.0	10,000	70.0

6 & 10 TON DERRICK HOIST



STANDARD FEATURES AND BENEFITS

- Cascading double drum design
- Breaks up into 2 modules
- 850’ lift height (10 ton) with 4-part line
- 850’ lift height (6 ton) with 2-part line
- Each module is driven by a separate electric motor (comes with starter)
- Manually actuated locking dogs

6 Ton Derrick Hoist Load Charts

Load Line (Front Drum) - GP65-1-20E		
Rope Layer	Linepull (lbs)	Linespeed (fpm)
1st Layer	6,500	41
Mid Drum	6,500	63
Full Drum	6,500	90

Boom Line (Rear Drum) - GP62-1-7.5E		
Rope Layer	Linepull (lbs)	Linespeed (fpm)
1st Layer	6,200	33
Mid Drum	6,200	37
Full Drum	6,200	40

10 Ton Derrick Hoist Load Charts

Load Line (Front Drum) - GP56-1-30E		
Rope Layer	Linepull (lbs)	Linespeed (fpm)
1st Layer	5,600	49
Mid Drum	5,600	98
Full Drum	5,600	159

Boom Line (Rear Drum) - GP99-1-10E		
Rope Layer	Linepull (lbs)	Linespeed (fpm)
1st Layer	9,900	106
Mid Drum	9,900	122
Full Drum	9,900	130

RIGGING EQUIPMENT FOR CONSTRUCTION PROJECTS

PROJECT PORTFOLIO

Customers around the world trust Timberland for our expertise in lifting, whether it's on the tallest building or requires the largest capacity.

T50/42BW Bullwheel Tensioner

Max continuous tension: 5000 lbs
Linespeed: 0 - 4 mph
Bullwheel diameter: 42"
Max rope diameter: 1.4"



T50H/52 DD Bullwheel Tensioner/Reel Carrier

Max continuous tension: 5000 lbs @ 4 mph
Max reel dimensions: 96" dia, 54" wide
Max reel weight: 12,500 lbs
Bullwheel diameter: 52"
Max rope diameter: 1.5



PT40-1H/1DD Puller-Tensioner

Max linepull / tension: 8992 lbs
Max linespeed: 3.1 mph
Physical Weight: 4,750 lbs
Bullwheel diameter: 48"
Max rope diameter: 1.7"



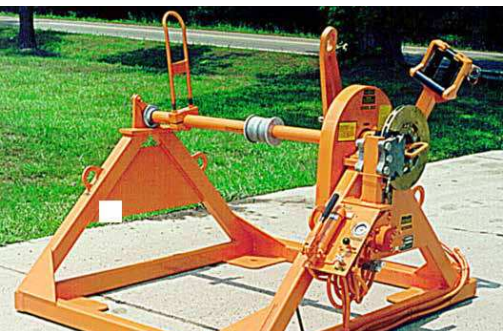
DPT-40B Puller-Tensioner

Continuous torque rating: 70,000 in.lbs
Intermittent torque rating: 80,000 in.lbs
Continuous linepull rating: 4,350 lbs with 6,000 ft. of 5/8" rope on drum
Max reel dimensions: 72" dia, 56" wide
Max reel weight: 6,000 lbs.



Power Reel Stands

Max reel dimensions: 72" dia, 44" wide
Max reel weight: 8,000 lbs
Physical dimensions (LxWxH): 66" x 80" x 55"
Drive torque & speed rating: 20,000 in.lbs & 34 RPM



432 Park Avenue Condominium Tower

An award winning application of Timberland's 35 ton derrick, where our system was used to dismantle the tower crane on the tallest residential building in the Western hemisphere.



One World Trade Center

Timberland supplied a 35 ton derrick and hoist to perform the required pick and lowering of the tower crane used throughout the construction of the tallest building in the Western hemisphere.



Kiewit Offshore Heavy Lift Device

Timberland supplied a system of boom line hoists, load line hoists and reel winders, along with the HPU's and controls to operate all four heavy lift units in synchronized lifts up to 12,500 tons.



Bigge AFRD

The 6800 ton Super Derrick was built using Timberland 75 ton traction winches, reel winders and four 950 HP hydraulic power units with synchronized control system. The AFRD is the world's largest capacity, land-based, rotating crane and the only machine capable of making every super lift on a twin-unit nuclear power plant site from a single location.

THE ANSWER IS TIMBERLAND

Timberland Equipment has been designing and manufacturing specialized material handling equipment for the construction, resource and energy sectors since 1947.

Since our earliest days, Timberland built its success on equipment that customers can rely on to perform every day in the most critical applications and in the most remote regions.

ENGINEERING CONFIDENCE WORLDWIDE

Timberland Equipment is a member of the Timberland Group, serving a worldwide base of customers with engineered solutions for many of today's most challenging projects in lifting, pulling, conveying and tensioning applications.

- Underground mining
- Heavy construction
- Offshore oil & gas projects
- Electrical power transmission and distribution
- Marine & fishing industries

With production and service facilities totaling over 180,000 sq. ft. on 55 acres, we employ more than 300 people internationally. Our "solutions" focus is reflected in the large number of professional engineers who take leadership roles in all our operations.



Timberland Equipment Limited

P.O. Box 490, 459 Industrial Avenue
Woodstock, Ontario, Canada, N4S 7Z2
Phone: 519-537-6262 Fax: 519-539-5853

sales@tewinch.com
service@tewinch.com
parts@tewinch.com

www.timberlandequipment.com

