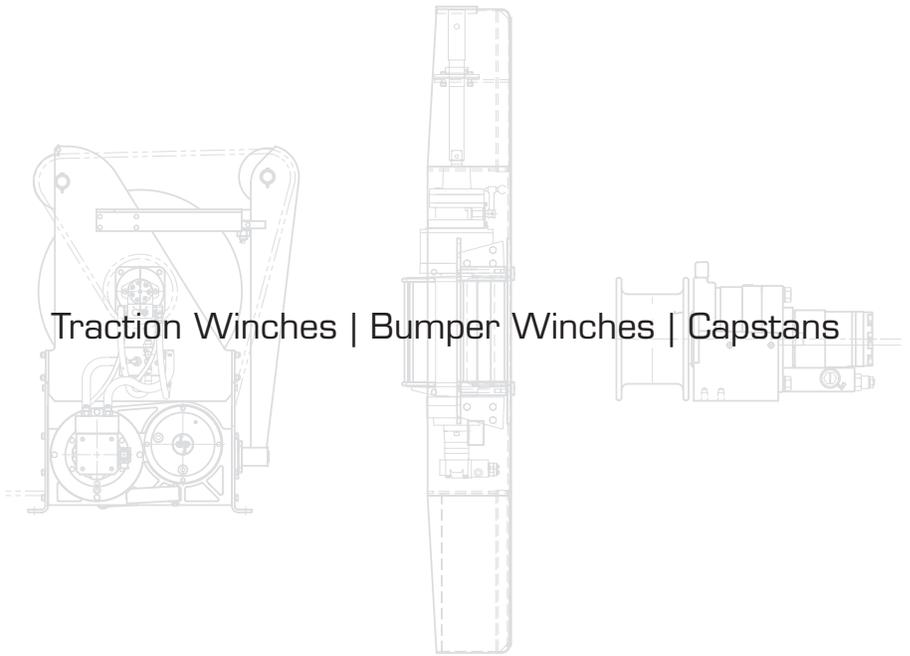


When It
Comes to
Safety,
We Put Our
Name on the
LINE.



LINEMAN®

A Product of ®



Traction Winches | Bumper Winches | Capstans

The Utility Industry's Choice

There are reasons more and more Utility fleet managers specify LINEMAN® traction winches, bumper winches, capstans and accessories over other brands, but we'll start with the first—*safer operation by design*.

Only LINEMAN® equipment is designed with safety features typically offered as options on competitive products. This means added protection against operator accidents, injuries, and equipment failure. At dp Winch, we know that overloading and downtime impact your bottom line. That's why every LINEMAN® winch is engineered from the very start to help you and your crew work safer—and smarter.



At dp Winch, we continue to raise the bar on how winches should perform—and it's been that way for nearly 40 years.

Safer Operation by Design

At dp Winch, safety isn't an afterthought—*it's a mindset*.

- We pioneered the all-welded construction of LINEMAN® bumper winches to ensure maximum structural integrity and reduce the potential for loose bolts that can cause equipment failure.
- We've revolutionized the idea of how traction winches, bumper winches and capstans should perform by engineering our equipment with safety features typically sold as "add ons" by other manufacturers.
- LINEMAN's constant-pull traction winch is designed for constant rope speed and pull, helping you achieve more consistent operation and reduce costly wire rope failures.
- Our state-of-the-art monitoring and alarm system on LINEMAN® winches minimizes the risk of overloading by alerting operators to line load and distance.

Our LINEMAN® portfolio of traction winches, bumper winches and capstans is specifically designed for the Utility Industry...to help fleet managers address real-world challenges and control costs.

Safer operation by design is just one way LINEMAN® offers the longest-lasting value on the market.

www.team-twg.com



Strength You Can Depend On

Product integrity.
Service integrity.

Just two of the strengths that have made dp Winch and LINEMAN® the Utility Industry's most trusted brands.

Our Technical Support and Customer Support teams are available to answer your equipment questions or help you improve your fleet operations.

Technical & Customer Support
918.298.8300

LINEMAN® traction winches, bumper winches, capstans and accessories are backed by the strength of dp Winch, a global leader in winch products for the Utility, Recovery, Government and Truck Equipment markets. From our state-of-the-art manufacturing facilities in Oklahoma, dp Winch develops equipment and components that meet the highest standards in safety, reliability and performance.



Headquartered in Tulsa, Oklahoma, dp Winch is a part of TWG, a global leader in standard and engineered winch, gearbox and electronic monitoring systems for the Utility, Recovery, Crane, Construction and Truck Equipment markets.

TWG is comprised of five companies that specialize in industry-specific winches and supporting electronic systems. They include Tulsa Winch, Inc., dp Winch, Pullmaster Winch, Greer Company and LANTEC Winch & Gear, Inc.

TWG is part of the Dover Corporation, an NYSE-traded, multi-billion dollar corporation that manufactures a diverse range of products and components for commercial and industrial use.

LINEMAN[®]

A complete portfolio of pulling equipment specifically designed for the Utility Industry.

Constant-Pull Traction Winches

Exceptional performance job after job

- Ideal for pulling long runs of underground conductors, delicate fiber-optic cables and hard-to-access overhead lines
- Pulling capacity from 7,000 lbs. to 25,000 lbs.
- Constant rope speed and pull



Bumper Winches

All-welded construction for longer equipment life

- Pulling capacity from 8,000 lbs. to 30,000 lbs.



Capstans

Intelligent design, quality manufacturing, maximum reliability

- Pulling capacity from 1,000 lbs. to 6,000 lbs.
- Faster line speeds under load





All LINEMAN® Traction Winches Feature:

- Cooler operating temperatures
- Less wear on internal parts
- Continuous-use duty cycles
- Lower hydraulic requirements
- More compact designs
- Less maintenance

LINEMAN®

Constant-Pull Traction Winches



Advanced Features. Superior Benefits.

First layer performance

Constant rope pitch diameter provides constant pull and speed.

7,000, 20,000 and 25,000 lb. winch rating

Delivers constant line pull and performance sized to match job requirements.

Increased rope life

Drum grooves provide rope support during heavy pulling. Grooves help rope keep its shape and guard against side abrasion.

Large rope storage capacity

Provides longer pulls with one setup.

Low torque storage drums

Prevents rope from flattening, wedging into a lower layer, and side abrasion while winding.

Hydraulically released balanced piston brake on the 20TR and 25TR

Prevents winch brake from being released by backpressure.

Radio remote control

Winch can be operated at a safe distance and with maximum operator mobility.

Performance Data

	Line Pull (lb)	Line Speed (pay-in) (fpm)*	Line Speed (pay-out) (fpm)
25TR Winch			
Speed:			
Low	25,000	38	42
High	12,500	70	84

Performance is based on 30 gpm @ 2,700 psi.

*Minimum pay-in speed at 30 gpm

20TR Winch

Speed:			
Low	20,000	47	54
High	10,000	85	107

Performance is based on 28 gpm @ 2,900 psi.

*Minimum pay-in speed at 28 gpm

Wire Rope Capacity

Wire Rope (in.)	Capacity (ft.)
Ø7/16	3,000
Ø1/2	2,400
Ø9/16	1,900
Ø5/8	1,450

Maximum rope storage capacity

Rated line pulls are for the winch only. Consult the wire rope manufacturer for wire rope ratings.

25TR and 20TR traction winches require up to 15 HP thermal cooling capacity from the hydraulic system.

CAUTION:

The last 5 wraps of cable must be left on the drum to assist the cable clamp in holding the load.

WARNING:

Winches and capstans are not intended to be used for lifting or moving of persons.

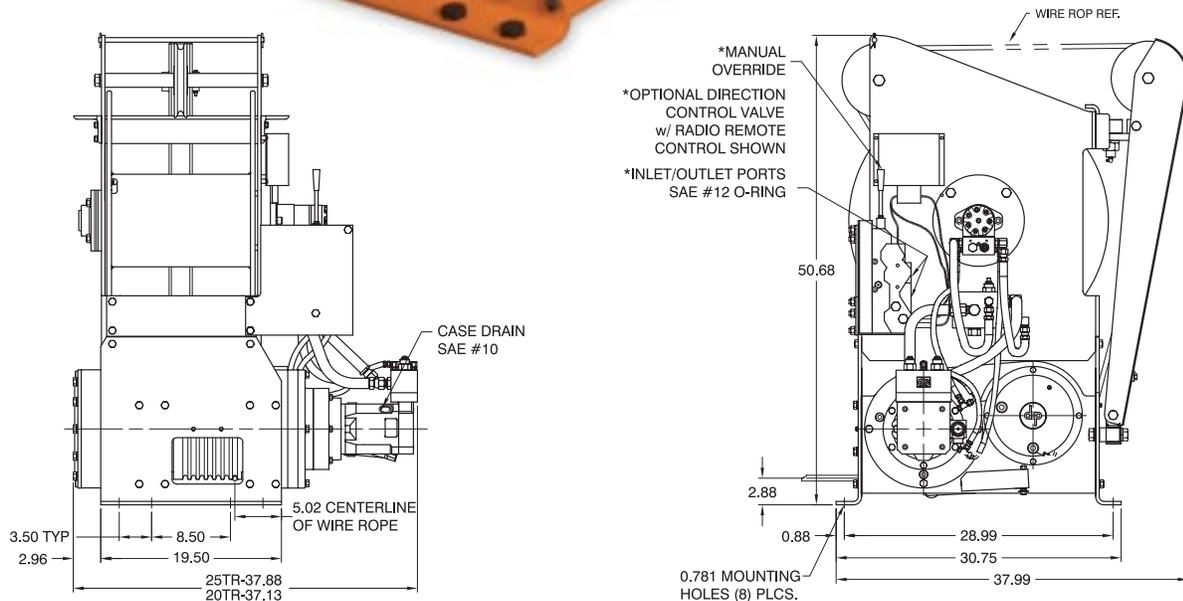
Outstanding performance, more consistent operation, increased rope life

20TR



Radio Remote Control
(optional)

Approximate weight 2,200 lb
(less wire rope)

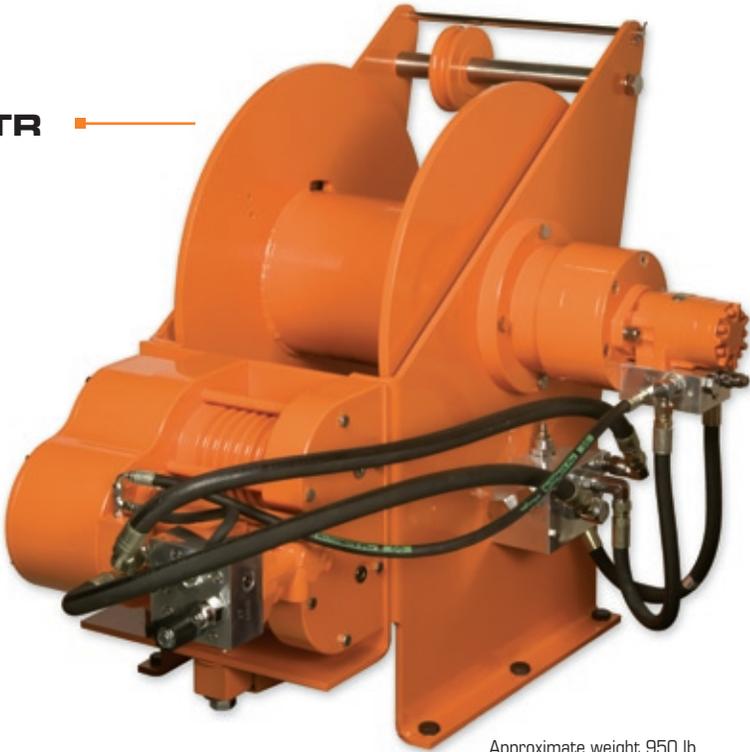


7TR Constant-Pull Traction Winch

The latest in the dp Winch family of outstanding winch products

Lineman's 7TR constant-pull traction winch offers a smaller footprint, constant line pull, and all the safety amenities you've come to expect from the leader in Utility winches.

7TR 



Approximate weight: 950 lb
(less wire rope)

Performance Data

	Line Pull (lb)	Line Speed (pay-in) (fpm)*	Line Speed (pay-out) (fpm)
7TR Winch			
Speed:			
Low	7,000	45	56
High	3,500	82	111

Performance is based on 12 gpm @ 2,600 psi.

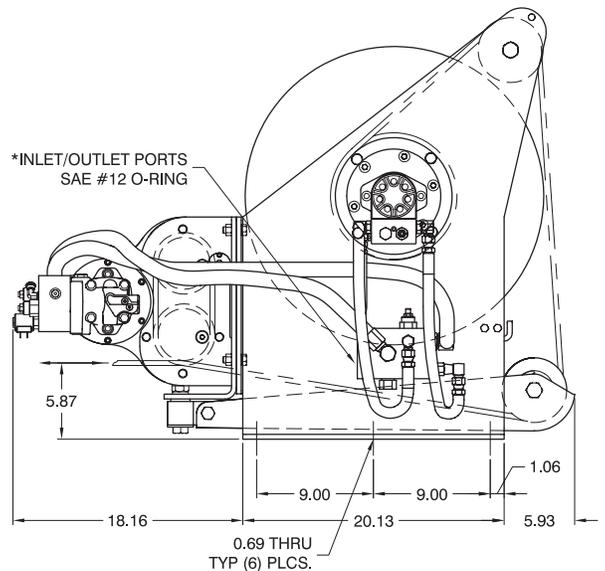
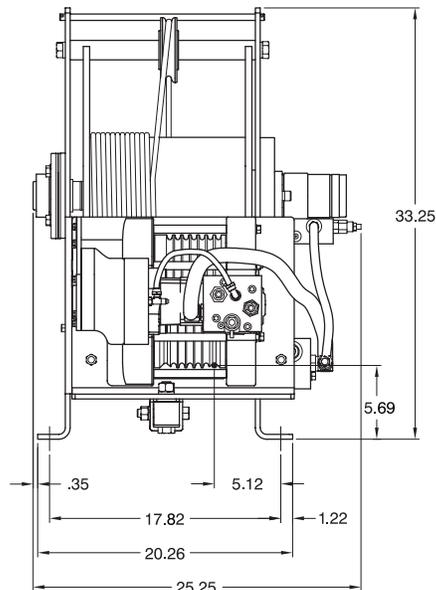
*Minimum pay-in speed at 12 gpm

Wire Rope Capacity

Wire Rope (in.)	Capacity (ft)
Ø3/8	2,000

Maximum rope storage capacity

7TR traction winches require up to 8 HP thermal cooling capacity from the hydraulic system.



CAUTION:
The last 5 wraps of cable must be left on the drum to assist the cable clamp in holding the load.

WARNING:
Winches and capstans are not intended to be used for lifting or moving of persons.



**All LINEMAN®
Bumper Winches Feature:**

- Cooler operating temperatures
- Less wear on internal parts
- Continuous-use duty cycles
- Lower hydraulic requirements
- More compact designs
- Less maintenance



LINEMAN®

Bumper Winches

Advanced Features. Superior Benefits.

Dual counterbalance cartridges

Provides capstan shaft with maximum load control in both directions.

Balanced piston brake on the 30U and 20U

Prevents brake from being released by system backpressure.

Winch drum and capstan shaft selector

Allows winch drum and capstan shaft to operate independently.

Large access door

Allows easier access to maintain the winch.

Drum guard

Helps contain wire rope on drum and protects winch from damage.

30U & 20U Bumper Winch Performance Data

Single Speed Motor

Bumper	Layer	Drum Cap. (ft)	Line Pull (lb)	Line Speed (fpm)
30U	1	32	30,000	30
	2	71	24,600	36
	3	116	20,900	43
	4	169	18,100	49
	5	229	16,000	56

Based on 25 gpm @ 2,900 psi. with a Ø3/4" wire rope.

20U

1	33	20,000	47
2	73	16,900	56
3	119	14,600	64
4	171	12,800	73
5	230	11,500	82
6	294*	10,400	90

Based on 30 gpm @ 2,650 psi. with a Ø9/16" wire rope.

Two-Speed Motor

Layer	Line Pull (lb)		Line Speed (fpm)	
	Low	High	Low	High
1	30,000	15,000	29	57
2	24,600	12,300	35	70
3	20,900	10,400	41	82
4	18,100	9,070	47	95
5	16,000	8,010	54	107

Based on 24 gpm @ 2,900 psi. with a Ø3/4" wire rope.

1	18	33	39	77
2	40	73	46	92
3	65	119	53	106
4	93	171	60	120
5	125	230	67	134
6	160*	294*	74	149

Based on 25 gpm @ 2,600 psi. with a Ø9/16" wire rope.

Extension Shaft Rating

Output Shaft Torque (in-lb)	Speed (rpm)	7" Capstan Line Pull (lb)	20" C.R. Line Pull (lb)
12,000	117	3,000	1,200

Models 30U and 20U:

Cable capacities are in accordance with SAE J706. Actual cable capacities are usually up to 10% greater than those shown.

The rated line pulls are for the capstan and winch only. Consult the rope manufacturer for rope ratings.

*Layer does not meet SAE J706.

CAUTION:

The last 5 wraps of cable must be left on the drum to assist the cable clamp in holding the load.

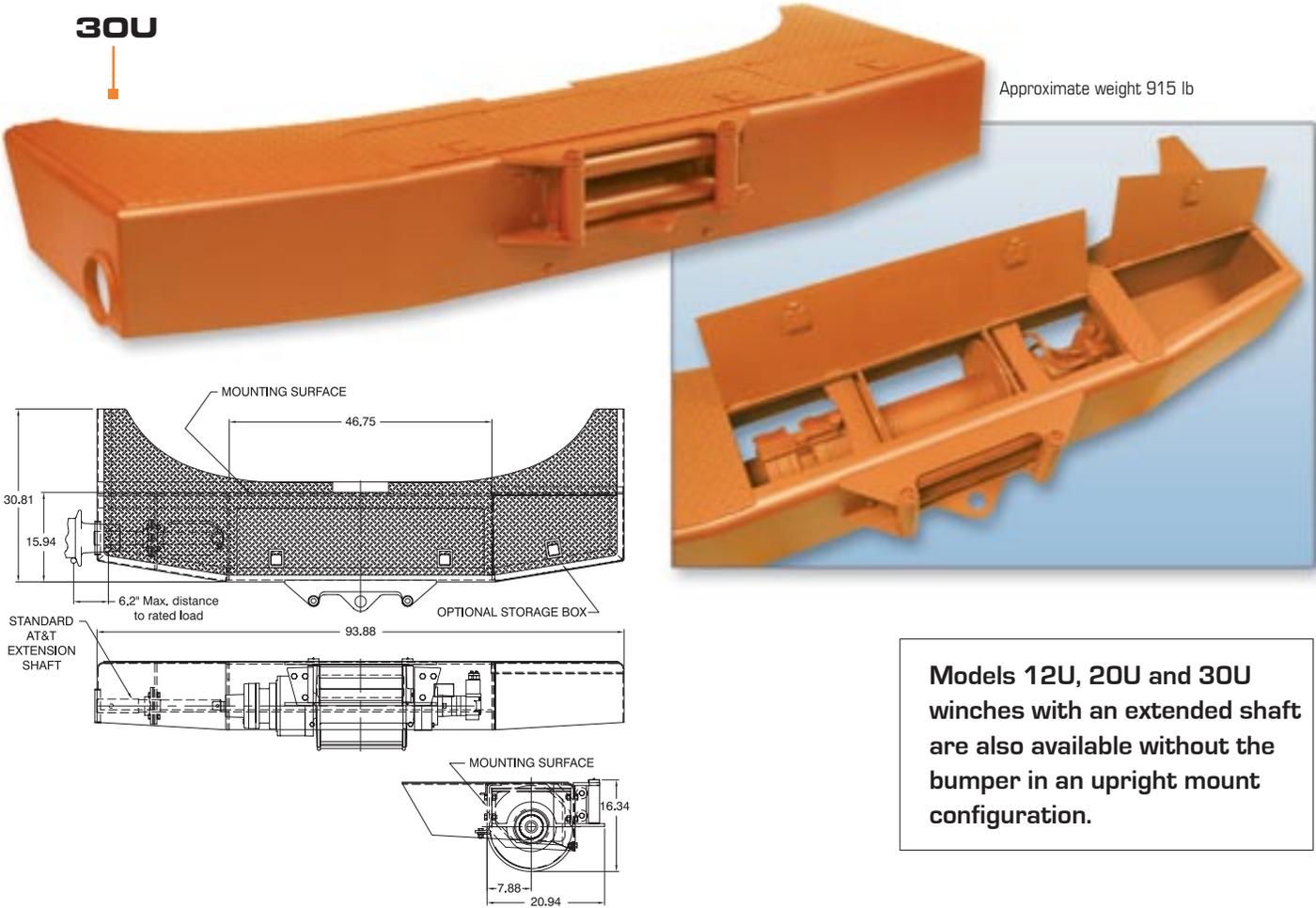
WARNING:

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Advanced design to help Utility fleets work safer and smarter.

30U

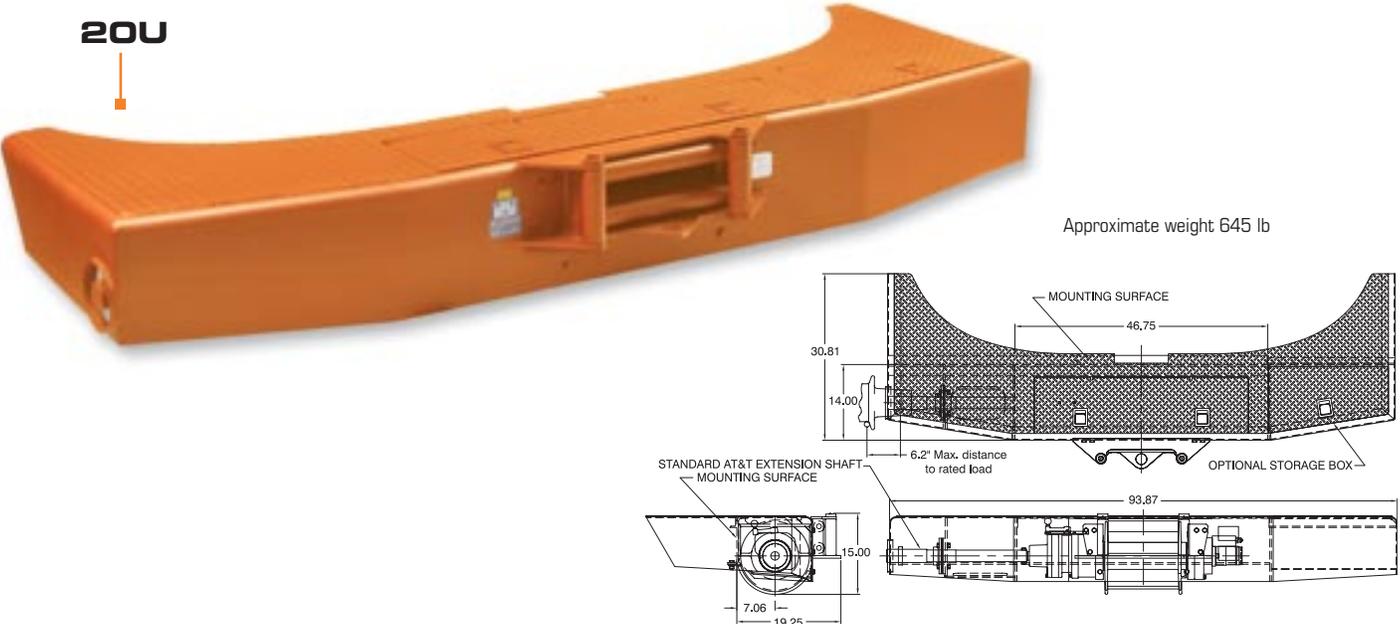
Approximate weight 915 lb



Models 12U, 20U and 30U winches with an extended shaft are also available without the bumper in an upright mount configuration.

20U

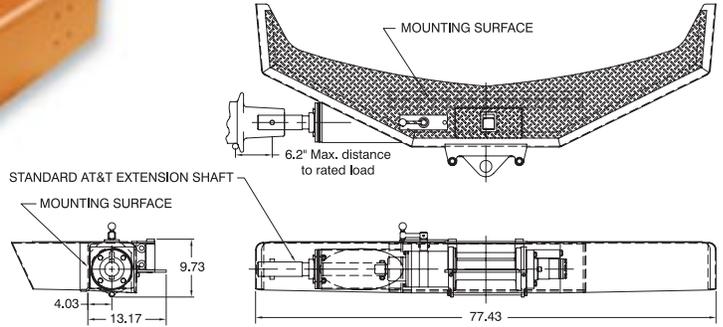
Approximate weight 645 lb





8U

Approximate weight 320 lb



12U & 8U Bumper Winch

Performance				
Bumper	Layer	Drum Cap. (ft.)	Line Pull (lb)	Line Speed (fpm)
12U (not pictured in catalog)				
	1	28	12,000	38
	2	63	9,820	47
	3	104	8,310	55
	4	152	7,200	64
	5	206*	6,350	72
Based on 20 gpm @ 2,100 psi. with a Ø1/2" wire rope.				
8U				
	1	25	8,000	52
	2	56	6,740	61
	3	91	5,820	71
	4	130	5,120	81
Based on 15 gpm @ 2,400 psi. with a Ø3/8" wire rope.				

Extension Shaft Rating			
Output Shaft Torque (in-lb)	Speed (rpm)	7" Capstan Line Pull (lb)	20" C.R. Line Pull (lb)
8,200	116	2,050	780
4,400	195	1,100	420

Extension Shaft Rating — 12U and 8U:
Line pull/speed based on Ø1" nonmetallic rope.
See accessories page for additional load rating and location information with the capstan head.

Models 12U and 8U:

Cable capacities are in accordance with SAE J706. Actual cable capacities are usually up to 10% greater than those shown.

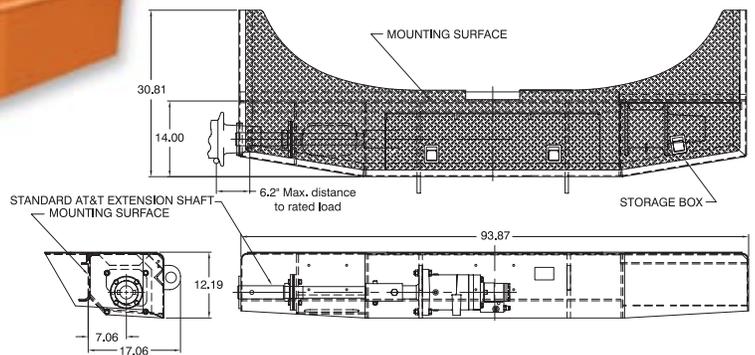
The rated line pulls are for the capstan and winch only. Consult the rope manufacturer for rope ratings.

*Layer does not meet SAE J706.

16CDU Capstan Bumper



Approximate weight 550 lb



Model 16CDU

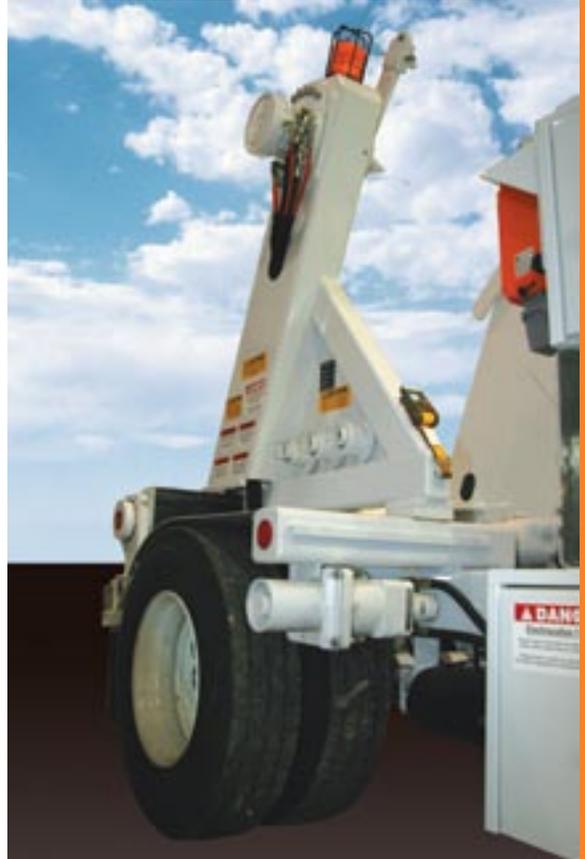
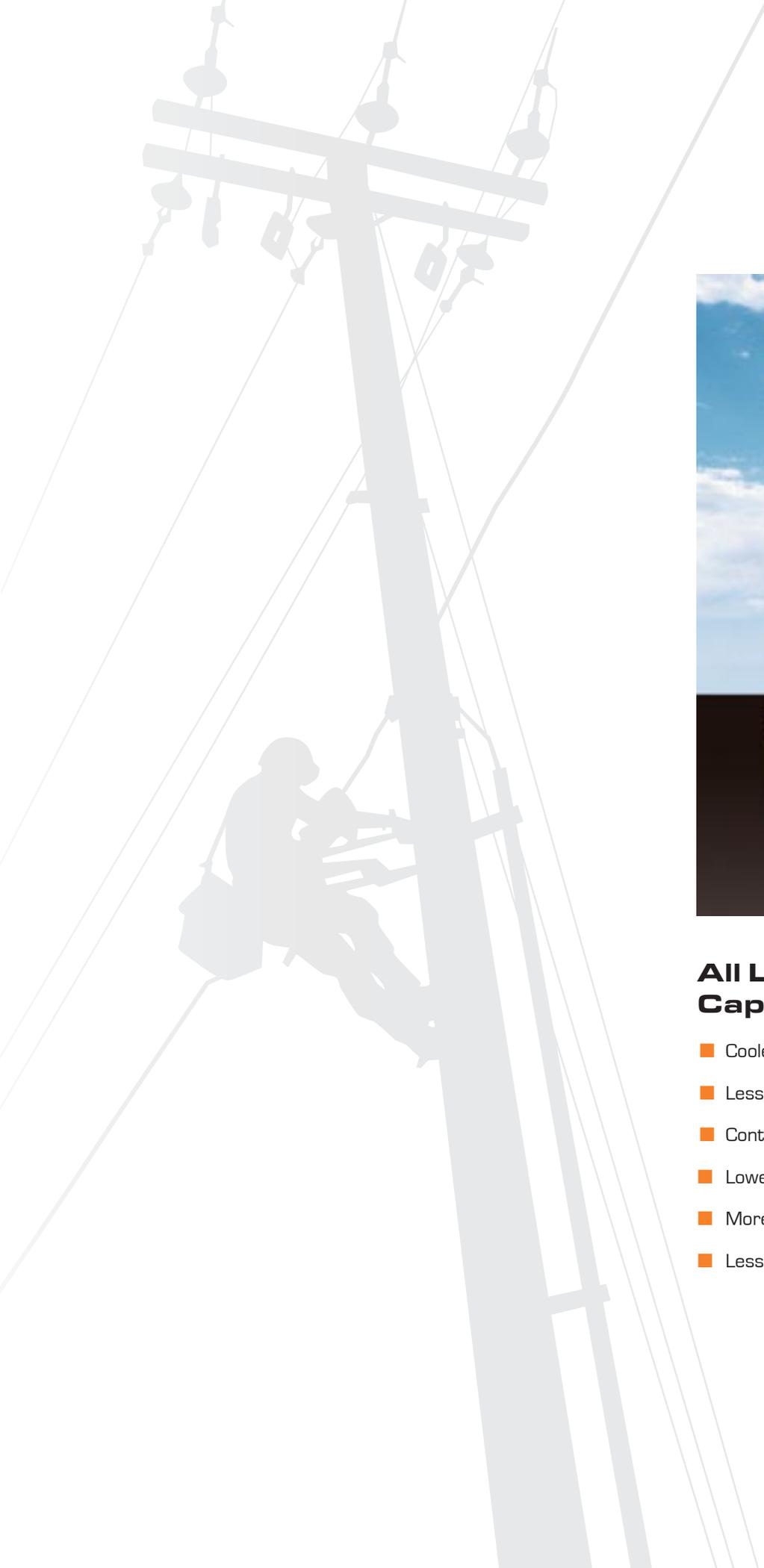
Capstan Shaft Rating

Output Shaft Torque (in-lb)	Speed (rpm)	7" Capstan Line Pull (lb)	20" C.R. Line Pull (lb)
16,000	51	3,000	1,200

Performance is based on 18 gpm @ 2,200 psi. with a Ø1" rope.

The rated line pulls on data, for all models, are for the capstan and winch only. Consult the rope manufacturer for rope ratings.

<p>CAUTION:</p> <p>The last 5 wraps of cable must be left on the drum to assist the cable clamp in holding the load.</p>	<p>WARNING:</p> <p>Winches and capstans are not intended to be used for lifting or moving of persons.</p>
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All LINEMAN[®] Capstans Feature:

- Cooler operating temperatures
- Less wear on internal parts
- Continuous-use duty cycles
- Lower hydraulic requirements
- More compact designs
- Less maintenance

LINEMAN[®]

Capstans



Advanced Features. Superior Benefits.

Dual counterbalance cartridges

Provides capstan shaft with maximum load control in both directions.

Continuous duty brake and planetary gear design

Provides continuous operation without overheating.

AT&T output shaft (optional on the 4CDU)

Offers universal capstan head or reel attachment.

Two mounting configurations

Provides optimal installation flexibility.

Low-speed, high-torque motor

Delivers efficient, reliable operation.

Performance Data

4CDU Capstan Performance

	Line Pull (lb)	Line Speed (fpm)
Capstan Drum Ø5/8" Rope	1,500	235
AT&T Shaft with Ø7" Capstan - Ø1" Rope	1,150	313

Max. torque is 4,600 in.-lb @ 2,000 psi and 150 rpm @ 15 gpm.
Based on 15 gpm @ 2,200 psi.

4CDU Winch Performance

Layer	Capacity (ft)	Line Pull (lb)	Line Speed (fpm)
1	20	1,600	223
2	42	1,470	242
3	66	1,360	262
4	91	1,270	282

Based on 15 gpm @ 2,000 psi with a Ø1/4" wire rope.

13, 16 and 24CDU Capstan Performance

Model	Motor Option	Pressure (psi)	Flow (gpm)	Output Shaft		7" Capstan		20" C.R. Reel		Dimension A
				Maximum Torque (in.-lb)	Speed (rpm)	Line Pull (lb)	Speed (fpm)	Line Pull (lb)	Speed (fpm)	
13CDU	1	2,300	15	13,000	58	3,250	121	1,300	304	16.03
16CDU	1	2,200	18	16,000	51	4,000	107	1,600	267	16.14
24CDU	1	2,500	20	24,000	45	6,000	94	2,400	236	16.25
24CDU	2	2,250	25	24,000	58	6,000	121	2,400	304	18.00

Based on use with a Ø1" rope.

⚠ CAUTION:

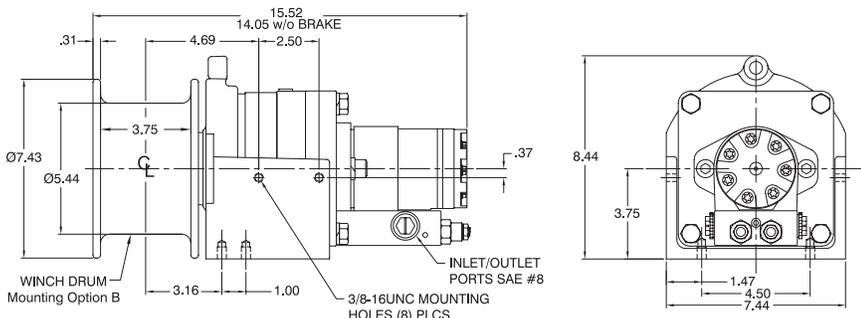
The last 5 wraps of cable must be left on the drum to assist the cable clamp in holding the load.

⚠ WARNING:

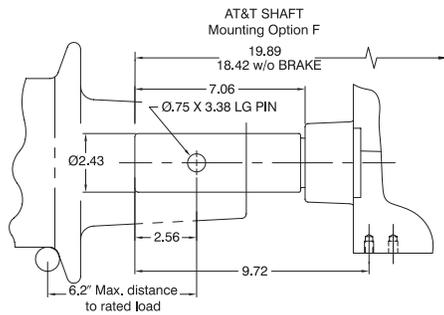
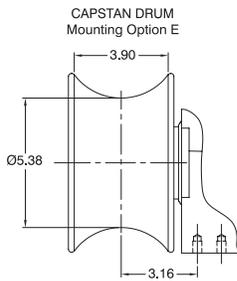
Winches and capstans are not intended to be used for lifting or moving of persons.

The rated line pulls are for the capstan and winch only. Consult the rope manufacturer for rope ratings.

Advanced engineering for reliable operation and extra long life.



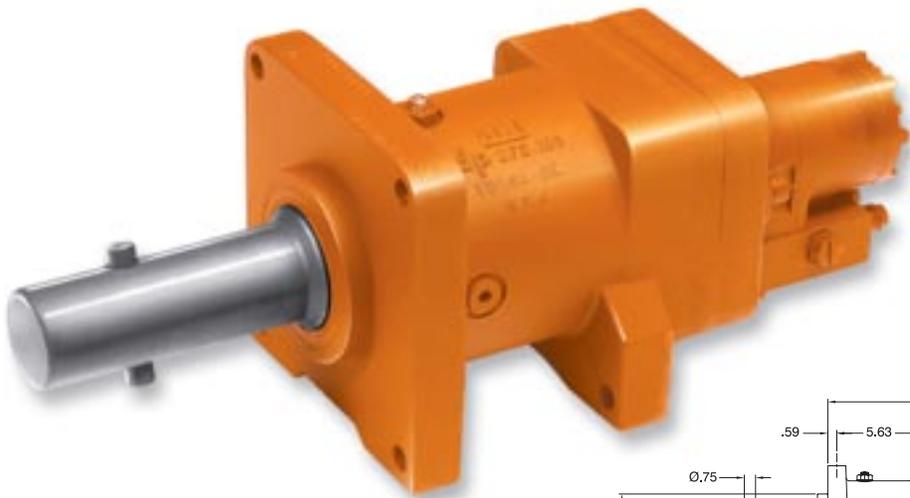
OPTIONAL FEATURES



4CDU

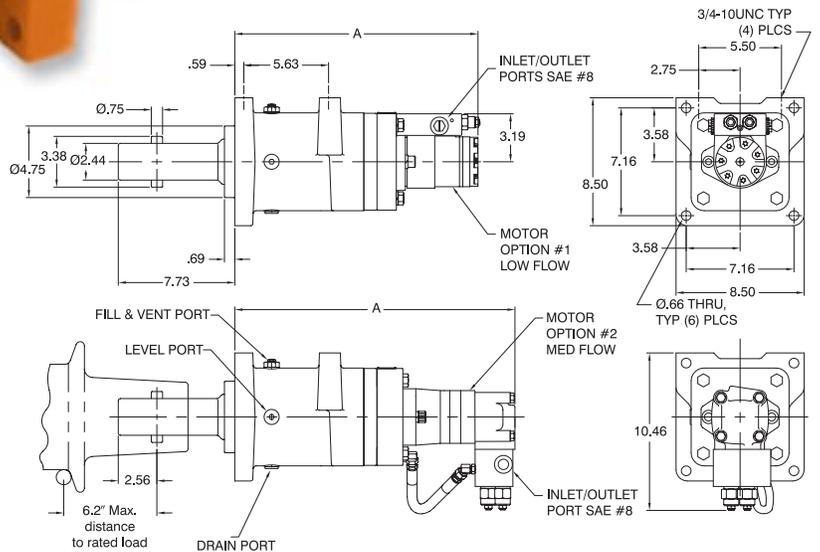


Approximate weight 82 lb



13, 16 and 24CDU

Approximate weight 125 lb

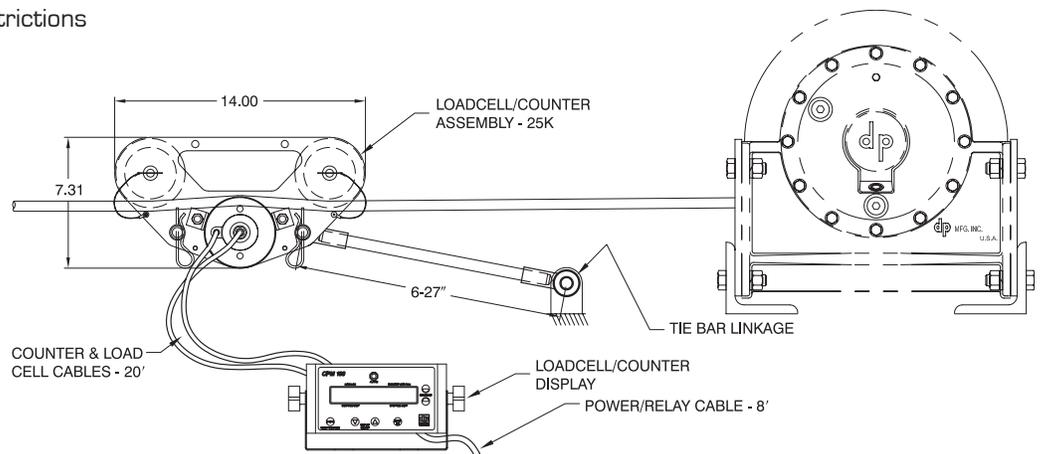


LINEMAN[®] Accessories

CPM100 Load and Distance Monitor

Smart technology to keep operators and equipment working safely.

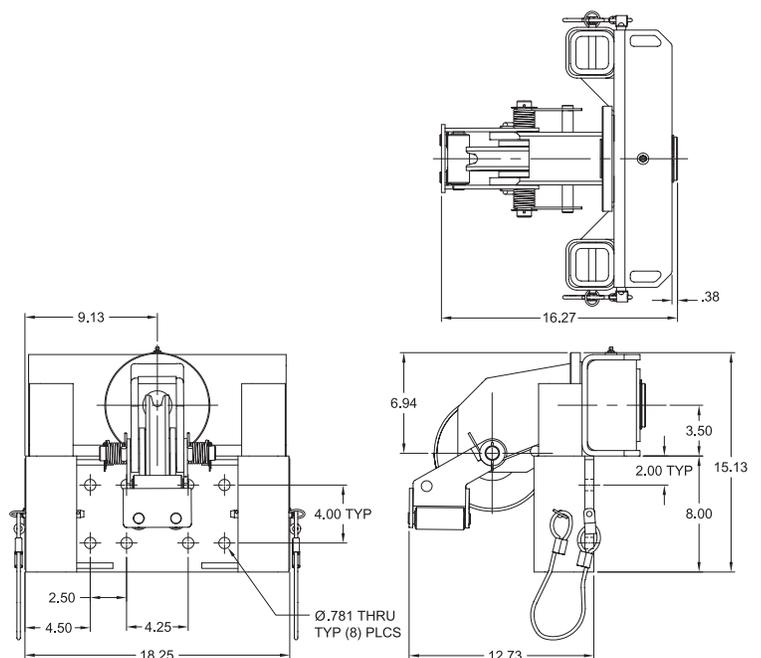
- Precise line pull display
- Precise length of pull
- Operator settable audible/visual alarms offer extra protection against overload conditions by alerting operator of approaching restrictions
- Peak line pull for each use



The CPM100 is available for 3/8", 7/16", 1/2", 9/16" and 5/8" wire rope.
Must be specified at time of purchase.

UV250 Sheave

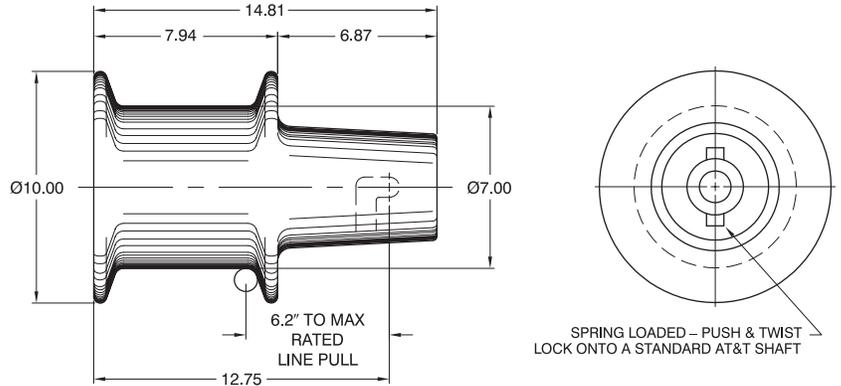
- Universal, 360° movement
- Rated to 25,000 lbs.
- Removeable for maximum truck bed usage



55114 Capstan Head



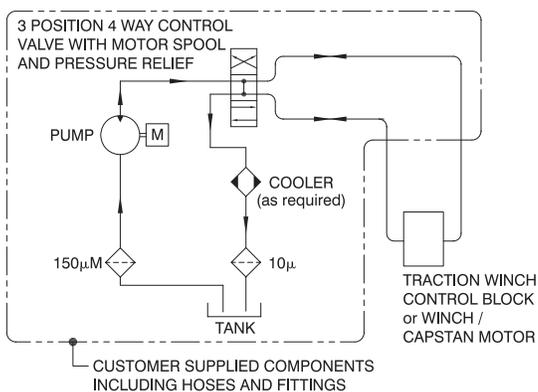
- Made from high strength aluminum casting
- Barrel is machined to a smooth finish
- For use with a standard AT&T shaft



Approximate weight 26 lb

Maximum rated line pull for capstan head is 6,000 lbs. For the overall equipment rating see the capstan or extended shaft rating and your rope rating. The overall rating must be limited to the component with the lowest load rating.

Designed to be used only with non-metallic rope.



⚠ CAUTION:	⚠ WARNING:
The last 5 wraps of cable must be left on the drum to assist the cable clamp in holding the load.	Winches and capstans are not intended to be used for lifting or moving of persons.

Contact your dp sales representative for additional options and features not shown in this product catalog.

As a leader in product innovation, dp Winch is committed to the ongoing improvement of its equipment. We reserve the right to make changes to our products without notice.

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dp Winch is a part of TWG, a global leader in standard and engineered winch, gearbox and electronic monitoring systems.

LINEMAN® is a registered brand of dp Winch



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