

PULLING WINCHES

D-L pulling winches are best suited for boat trailer and other horizontal pulling applications which require the freewheeling feature of ratchet type winches.

D-L pulling winches are available in models from 400 lb to 3,500 lb capacity. Models from DL1402A to DL3200A have a **patented*** **reversible ratchet** to allow cranking cable or strap onto the drum in either direction. A hand brake to help control the Freewheel mode is optional on heavy duty models and standard equipment on the DL3500B.

For hand winch selection guidelines, see page 26.

* U.S. Pat. 6,116,580 and Canadian Pat. 2,378,538.

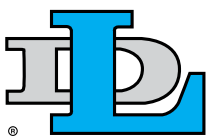
DL1402A thru DL3200A
DLx1200 thru DLx2300

DL1402ASC, DL1802ASC,
DL1800ASC and
DLB1500ASC

Design patents:
German 40001197.2
France 00 0665



Manufactured in the



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Pulling Winches with Ratchet Feature

- ♦ Laminated, high carbon steel gears for longer life.
- ♦ Drive shaft gears are copper brazed for durability. All gears in models DL1300A thru DL3500B are heat treated.
- ♦ Rigid, welded reel construction for added strength.
- ♦ Winches freewheel when the ratchet is disengaged.
- ♦ Load matched gear ratios for easier cranking.
- ♦ Variety of finishes available – powder-coated copper bronze, black or zinc plated TUFFPLATE finish.
- ♦ All plated parts are zinc plated TUFFPLATE finish.
- ♦ Heavy duty steel handles with ergonomic molded grips. Quick-Attach handle is standard equipment on 2-speed models.
- ♦ Embossed, reinforced bases.
- ♦ All drive shafts have permanently lubricated bearings.
- ♦ 2-speed models have a drive shaft system which allows for both high and low speed cranking from one side.
- ♦ DL400, DL900A, DL1100A, DL1402A and DL2500A are available with 2" strap installed. Add the letter S after the model number for a strap, e.g. DL900AS.
- ♦ Full color trilingual (English / French / Spanish) laminated carton standard for models DL400 thru DL3200A.
- ♦ Individual winch straps available. (See page 6.)
- ♦ Cable clamp included on models DL1100A thru DL3500B. Cables sold separately. (See page 6.)
- ♦ Models DL400 thru DL3200A – Equipped with slots in reel for easy installation of optional strap. Strap not included on all models.
- ♦ DL400 has ratchet lever drive.
- ♦ Hand brakes are optional on DL1800A, DL2000A, DL2500A and DL3200A. Add the letter B after the model number for a hand brake, e.g. DL1800AB.
- ♦ Reel gear covers optional for DL1100A thru DL2500A models.
- ♦ Slotted mounting holes for easy installation.
- ♦ All models may be ordered with a large diameter reel hub. SAE Standard J1853 requires large hubs for steel cables. Add the letters LH after the model number for a large hub, e.g. DL2500ALH.



D-L pulling winches are not recommended for lifting applications. For lifting, use a D-L brake or worm gear winch. D-L winches are not to be used as hoists for lifting, supporting or transporting people, or for loads over areas where people could be present.

STANDARD DUTY



DL400



DL600A
DL900A



DL1100A
DL1300A

MEDIUM DUTY



DL1402A



DL1602ADD



DL1602A
DL1802A
DL2102A

HEAVY DUTY



DL1800A
DL2000A
DL2500A
DL3200A



DL3500B



Pulling Winch Specifications	Winch Series	Model	Rated Capacity (2)	Drum Hub Dia.	Gear Ratio	Handle Length	Max Mech. Adv.	Reversible Ratchet	2-Speed Operation	Maximum Drum Capacity	
										Cable (3)	Strap
	Standard Duty		DL400	400 lb/181 kg	5/8"	1:1	7"	18			1/8" x 87'
		DL600A	600 lb/272 kg	5/8"	3.2:1	7"	57			5/32" x 61'	16'
		DL900A	900 lb/408 kg	5/8"	3.2:1	7"	55			3/16" x 40'	16'
		DL1100A	1100 lb/499 kg	7/8"	3.7:1	7"	49			3/16" x 79'	29'
		DL1300A	1300 lb/590 kg	7/8"	4.4:1	7"	56			7/32" x 56'	31'
Medium Duty		DL1402A	1400 lb/635 kg	7/8"	4.4:1	9-1/2"	74	•		1/4" x 40'	31'
		DL1602A	1600 lb/726 kg	1-1/8"	5.4:1	9-1/2"	75	•		1/4" x 58'	45'
		DL1602ADD	1600 lb/726 kg	1-1/8"	5.4:1 / 1:1	9-1/2"	75	•	•	1/4" x 58'	45'
		DL1802A	1800 lb/817 kg	1-1/8"	5.4:1	9-1/2"	73	•		9/32" x 58'	38'
		DL2102A	2100 lb/952 kg	1-1/8"	5.4:1	11"	84	•		9/32" x 58'	38'
Heavy Duty		DL1800A	1800 lb/817 kg	1-1/8"	10.3:1 / 5.4:1	9-1/2"	139	•	•	9/32" x 58'	38'
		DL2000A	2000 lb/907 kg	1-1/8"	12.4:1 / 5.4:1	9-1/2"	168	•	•	9/32" x 58'	38'
		DL2500A	2500 lb/1134 kg	1-1/8"	17.3:1 / 5.4:1	9-1/2"	229	•	•	5/16" x 47'	38'
		DL3200A	3200 lb/1452 kg	1-1/8"	17.3:1 / 5.4:1	9-1/2"	219	•	•	3/8" x 30'	25'
		DL3500B (1)	3500 lb/1589 kg	1-5/16"	12:1 / 6:1	9-1/2"	135	•	•	3/8" x 37'	25'

(1) Hand brake standard equipment.

(2) Capacity based on direct line pull on the third layer of line on the drum. Capacity is reduced as the line builds up on the drum.

(3) Drum capacity based on cable size listed. (Cable not included.) Cable size listed may be too large to be practical for some applications.

NOTES:

Optional covers are available for some models.

Hand brake can be added to DL1800A, DL2000A, DL2500A, DL3200A.

Larger reel hubs are available for winches that will be used with cable.