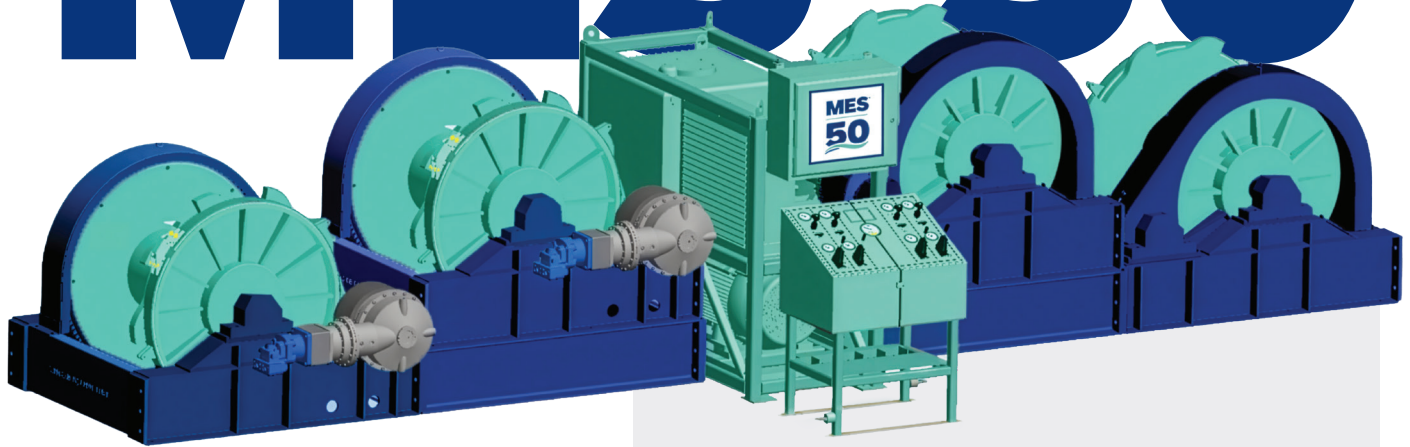




INTRODUCING THE

MES 50



We partnered with Timberland Equipment Limited to design the MES 50, it brings the proven functionality of a friction winch into a new era that is hydraulically driven and with precision controls. Designed to deliver the same trusted strength and durability of traditional friction units, the MES 50 enhances performance through modern hydraulic technology offering greater safety, efficiency, and reliability on every project.

- Anchor line mooring and spud lifting/ lowering
- Adjustable speed and pull from 25,000 – 50,000 lbs.
- Wire Rope Capacity Up to 3,300ft
- Wire Rope Diameter 7/8" – 1-1/4"
- All features hydraulically driven, and joystick controlled
- Band brake
- Jaw clutch (for freewheeling)
- Locking dog
- Modular design
- Diesel or Electric HPU available

WINCH PERFORMANCE - 20" DIA CORE

High Torque - Low Speed

Winch Performance Table - 7/8" Wire Rope			
LAYER	LINE PULL (LBS)	LINE SPEED (FPM)	CUMULATIVE ROPE CAPACITY (FT.)
1	50,000	50.0	190
2	46,133	54.2	396
3	42,821	58.4	617
4	39,952	62.6	855
5	37,444	66.8	1,109
6	35,232	71.0	1,378
7	33,267	75.1	1,663
8	31,509	79.3	1,965
9	29,928	83.5	2,282
10	28,498	87.7	2,615
11	27,199	91.9	2,964
12	26,012	96.1	3,329

Winch Performance Table - 1" Wire Rope			
LAYER	LINE PULL (LBS)	LINE SPEED (FPM)	CUMULATIVE ROPE CAPACITY (FT.)
1	50,000	50.0	167
2	45,652	54.8	350
3	42,000	59.5	549
4	38,889	64.3	764
5	36,207	69.0	995
6	33,871	73.8	1,242
7	31,818	78.6	1,504
8	30,000	83.3	1,783
9	28,378	88.1	2,077
10	26,923	92.9	2,388

Winch Performance Table - 1.125" Wire Rope			
LAYER	LINE PULL (LBS)	LINE SPEED (FPM)	CUMULATIVE ROPE CAPACITY (FT.)
1	50,000	50.0	149
2	45,187	55.3	315
3	41,220	60.7	496
4	37,892	66.0	693
5	35,062	71.3	906
6	32,625	76.6	1,135
7	30,505	82.0	1,380
8	28,644	87.3	1,641
9	26,997	92.6	1,918
10	25,529	97.9	2,211

Winch Performance Table - 1.25" Wire Rope			
LAYER	LINE PULL (LBS)	LINE SPEED (FPM)	CUMULATIVE ROPE CAPACITY (FT.)
1	50,000	50.0	135
2	44,737	55.9	287
3	40,476	61.8	454
4	36,957	67.6	637
5	34,000	73.5	836
6	31,481	79.4	1,051
7	29,310	85.3	1,281
8	27,419	91.2	1,528
9	25,758	97.1	1,791
10	24,286	102.9	2,069

WINCH PERFORMANCE - 20" DIA CORE

Low Torque - High Speed

Winch Performance Table - 7/8" Wire Rope			
LAYER	LINE PULL (LBS)	LINE SPEED (FPM)	CUMULATIVE ROPE CAPACITY (FT.)
1	25,000	100.0	190
2	23,066	108.4	396
3	21,410	116.8	617
4	19,976	125.1	855
5	18,722	133.5	1,109
6	17,616	141.9	1,378
7	16,633	150.3	1,663
8	15,755	158.7	1,965
9	14,964	167.1	2,282
10	14,249	175.4	2,615
11	13,599	183.8	2,964
12	13,006	192.2	3,329

Winch Performance Table - 1" Wire Rope			
LAYER	LINE PULL (LBS)	LINE SPEED (FPM)	CUMULATIVE ROPE CAPACITY (FT.)
1	25,000	100.0	167
2	22,826	109.5	350
3	21,000	119.0	549
4	19,444	128.6	764
5	18,103	138.1	995
6	16,935	147.6	1,242
7	15,909	157.1	1,504
8	15,000	166.7	1,783
9	14,189	176.2	2,077
10	13,462	185.7	2,388

Winch Performance Table - 1.125" Wire Rope			
LAYER	LINE PULL (LBS)	LINE SPEED (FPM)	CUMULATIVE ROPE CAPACITY (FT.)
1	25,000	100.0	149
2	22,594	110.7	315
3	20,610	121.3	496
4	18,946	132.0	693
5	17,531	142.6	906
6	16,313	153.3	1,135
7	15,253	163.9	1,380
8	14,322	174.6	1,641
9	13,498	185.2	1,918
10	12,764	195.9	2,211

Winch Performance Table - 1.25" Wire Rope			
LAYER	LINE PULL (LBS)	LINE SPEED (FPM)	CUMULATIVE ROPE CAPACITY (FT.)
1	25,000	100.0	135
2	22,368	111.8	287
3	20,238	123.5	454
4	18,478	135.3	637
5	17,000	147.1	836
6	15,741	158.8	1,051
7	14,655	170.6	1,281
8	13,710	182.4	1,528
9	12,879	194.1	1,791
10	12,143	205.9	2,069