

Marine

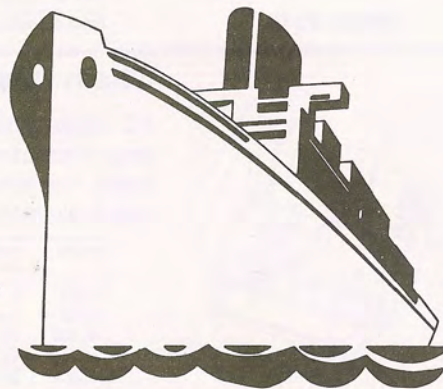
**NOT FOR LIFTING PEOPLE
OR THINGS OVER PEOPLE**

MARINE GRADE WINCHES

Marine spur gear winches are identical in size and rating to the industrial models, but they have superior corrosion resisting features:

- All marine winches are painted with a primer base coat followed by an enamel finish coat. Excellent resistance to salt spray corrosion.
- Stainless steel fasteners and springs.
- Oil impregnated bronze bushings and sealed ball bearings.
- Thern marine winches have been tested in accordance with the procedures of ASTM Method B117-73 Salt Fog Test.

NOTE: All Thern winches, when used for lifting, lowering or pulling on an incline, must be equipped with a Disc Brake. See Bulletin 40B.



MARINE-GENERAL PURPOSE SPUR GEAR HAND WINCHES



Model M4021 (Shown)—2" Drum
Disc Brake Model M4031—3" Drum

Model M4311—3" Drum
Model M4411 (Shown)—6" Drum

Model M4321 (Shown)—3" Drum
Model M4421—6" Drum

Model M452
Model M492

Complete information on all winches identified as 1, 2, and 3 above is given in Bulletin 40A — that of the two models shown at 4 may be seen in Bulletin 40C. For the Disc Brake, refer to Bulletin 40B.

NOTE: Final responsibility for determining suitability of equipment to any particular use is that of the owner and/or user; thus all applicable codes, regulations, and manuals of material handling should be studied.

SPECIFICATIONS

Shaded figures are more commonly used.

	LOAD RATING				DRUM CAPACITY							GEAR RATIO		*PULL REQD TO LIFT 1000 lbs.	DRUM DIMENSIONS			OVERALL DIMENSIONS			MOUNT-ING BOLT	NET WT. lbs.	SHIPPING WT. lbs.	
	2 LAYERS lbs.	FULL DRUM kg	lbs.	kg	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	SINGLE GEAR		DOUBLE GEAR	ID	OD	W	LENGTH	WIDTH				HEIGHT
M4021	1000	450	300	135	125	55							2.85		55	1.50	4.56	2.00	5.00	7.25	5.75	3/8	10	11
M4031	1000	450	300	135	250	110							2.85		55	1.50	4.56	4.00	8.25	8.25	5.75	3/8	12	13
M4311	2000	900	850	385	235	105	70	45					3.83	14.7	22	2.50	5.44	3.00	8.50	9.75	7.25	3/8	21	22
M4321	2000	900	850	385	235	105	70	45					3.83	14.7	22	2.50	5.44	3.00	8.50	9.75	7.25	3/8	24	25
M4411	2000	900	850	385	470	210	140	90					3.83	14.7	22	2.50	5.44	6.00	11.50	9.75	7.25	3/8	24	25
M4421	2000	900	850	385	470	210	140	90					3.83	14.7	22	2.50	5.44	6.00	11.50	9.75	7.25	3/8	25	27
M452	4000	1800	2000	900	1220	550	290	200	140	80	50	35	4.42	19.54	4.5	4.00	8.50	6.38	16.00	15.00	10.75	1/2	80	80
M492	10000	4500	4000	1800	3300	1500	800	540	380	220	145	100	5.00	25.00	5.4	5.00	12.38	7.62	19.00	20.40	14.00	3/4	156	156

*Handle pull (lbs) required to lift 1000 lbs on an empty drum using maximum handle length.