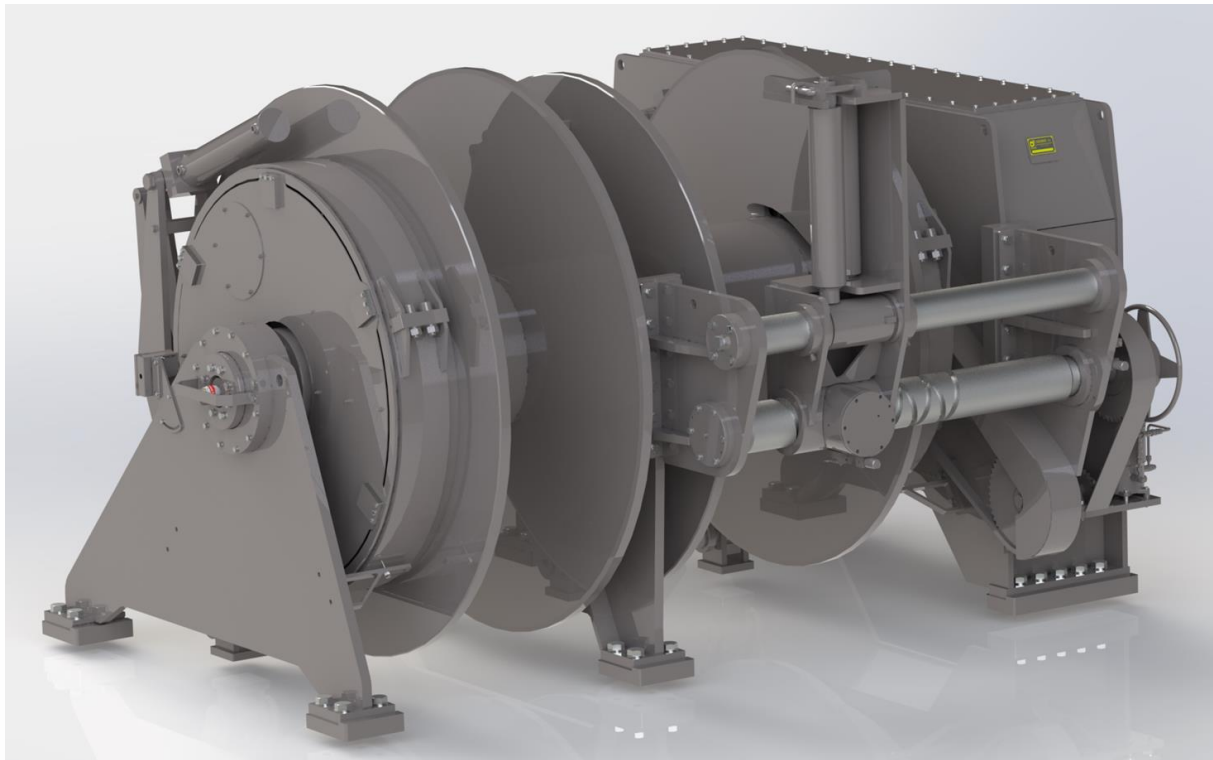


TOWING WINCHES



NEW STANDARD IN WINCH TECHNOLOGY

Within the THR Marine product range the towing winches are of Dutch quality standard and we as THR Marine are still standing for this quality today. These particular winches are designed and manufactured with rugged, proven technology that ensures long service and low maintenance.

THR Marine now has these winch designs fit for purpose in a remarkable new standard range from 20, 40, 60, 80, 100 Metric Tons. All sorts of configurations are possible.

FEATURES

- Customizing drum sizes within our standard ranges in both soft or steel rope types
- Both electric or hydraulic driven and controlled.
- Gear drive in an oil bath gearbox.
- Water cooled motors are optional.
- Designed for easy servicing and short lead times on spares.
- Motor class S2-30min operation with standard 50% short term 'over pull' with a gearbox designed to sustain this load.
- Stainless steel brake drums to prevent rust on drum and friction surfaces.
- Seals are on exchangeable sleeves to prevent wear on the main shaft
- Rope length monitoring
- Rendering / Recovery possibilities
- Spooling gear

SPECIFICATIONS

Winch type	20T	40T	60T	80T	100T
Nominal pull	20 Ton	40 Ton	60 Ton	80 Ton	100 ton
Nom speed	15 m/min	15 m/min	15 m/min	7.5 m/min	7.5 m/min
Min speed (con. Power)	10 m/min	10 m/min	10 m/min	5 m/min	5 m/min
Slack force (10% nom)	2 Ton	4 Ton	6 Ton	8 Ton	10 Ton
Slack speed (2.5x nom)	37.5 m/min	37.5 m/min	37.5 m/min	25 m/min	25 m/min
Brake holding load	120 Ton	150 Ton	250 Ton	250 Ton	250 Ton
SOFT ROPE					
Rope type	Dyneema				
D/d ratio	+/- 6				
Capacity	200 m	250 m	250 m	300 m	350 m
Max. layers	10				
Free layers	None				
Safety windings	One full layer				
STEEL ROPE					
Rope type	Steel				
D/d min ratio	+/- 14				
Capacity	400 m	500 m	800 m	800 m	800 m
Max. layers	10				
Free layers	1				
Safety windings	Min. 3				

Specifications up to customer requirements is always possible.