

TAGLINE MASTER 4 SYSTEM 10-63 KN

For more accurate and safe control of the load

A traditional tagline master system controls the horizontal position of a load to make sure the load will not turn, regardless of wind, crane movements or other external impact. The TGM 4 system is used if greater control is needed in both horizontal position as well as vertical position.

The TGM 4 System is an ideal solution for both on-shore as well as offshore operations. When installing, for example, blades with a yoke with a tilt function, the TGM 4 System offers a more accurate and safe control of the load. When added to a traverse system on a vessel crane, the bottom TGM set with its remote controlled tension possibilities, can with advantage replace the tugger winches.



HOW IT WORKS

The TGM 4 System consists of a traditional Tagline master system added a bottom set of TGMs. The traditional TGM set controls the horizontal position of the blade and makes sure the load does not turn undesirably, the bottom TGM set controls the load vertically to make sure the load doesn't undesirably tilts or tips. Taglines are connected to both sides of the load and are pre-tensioned with a force between 5 - 80kN.

These settings are adjusted with a remote control. The intelligent Tagline Master Control will automatically adjust tension between the taglines in order to keep a fixed and stable position. At any given time during operation, it is possible to change the position of the load and/ or adjust tension for both tagline master sets, with the remote control.

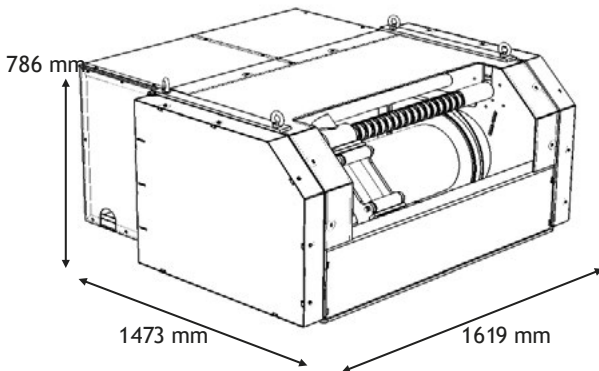
Build upon request

- Variable Pull force limit
- Variable Max. Rope speed
- Variable rope operating angles
- Variable rope length and size
- Variable mounting options

Extra Options

- For on and/or offshore use
- Available with tablet
- Data logging
- Operator training course
- Full service pack

TECHNICAL SPECIFICATIONS



Engineering data

Max. Pull force limit:	Variable up to 63 kN
Min. operative pull force limit:	30% (PFL)
Max. Brake force limit:	Variable up to 75 kN
Max. Pull first layer, pay out:	Variable up to 63 kN
Max. Pull first layer, pay in:	Variable
Drum length:	1000 mm
Drum diameter:	324 mm
Drum center to bottom plate:	265 mm
Max. Rope layers:	3
Break type:	Negative electro magnetic
Max. Rope speed:	Variable between 12 and 24m/min

Installation

Lifting points:	4
Weight:	1497 kg (up to 40 kN)

General electrical data

Voltage:	3x400-480VAC-TN/IT system
Frequency:	50/60 HZ
Control power:	24VDC
Max. Fuse short circuit:	C63 A
Supply breaking capacity:	0,75/10kA (min/max)
Grounding:	Must be grounded
Radio frequency:	433.055–434.775 MHz
IP Class:	56 (protected against power full water jets and dust according to EN60529)

Material data

Overall:	S355J2
Shaft:	34CrNiMo6
Rope:	Dynema
Overall IP class:	65
Surface:	C3/ C5M

Structural data

Drum safety factor:	3.0
Shaft safety factor:	1.98 (fatigue)
Design load:	75 kN
Overall safety factor:	1.5

Rope angles

Rope bottom drum exit:	-40° to +69°
Rope top drum exit:	-2° to +22°

Model specific electrical data

10-30kN Tagline master	
Full load current:	max 25A
Power supply:	3 pol + PE, CEE 32A IP67
Motor:	7,5W, 15,5A

63kN Tagline master	
Full load current:	max 45A
Power supply:	3 pol + PE, CEE 63A IP67
Motor:	15W, 32A

Environmental data

Temperature:	-20° to +40°celcius
With airco:	-20° to +50°Celcius