

# Lankhorst | Ropes

## LANKO<sup>®</sup>NECT

The Lanko<sup>®</sup>nect is a synthetic fibre rope connection for the main tow line that replaces a conventional cow hitch, shackle or similar hardware, providing tug operators with a quicker and safer connection during towing.

A typical tow line configuration comprises a main towing line with a forerunner, and perhaps a stretcher, as well as a cow hitch or connector hardware. Labourious and time consuming to make up, there is also a risk of a break in the costly main line and forerunner from overpulling. The Lanko<sup>®</sup>nect enables a new approach to tow line assembly by removing the need for a cow hitch knot or hardware. It also allows tug operators to set a calculated breaking force for the tow line configuration.



With the Lanko<sup>®</sup>nect there is a minimal chance of damage to other components such as the towing bit and winch on board the tug boat or ship bollard and, of course, the other lines in the towing configuration. By allowing a variable calculated breaking force to be set for the tow line – the Lanko<sup>®</sup>nect can be either the strongest connection or a calculated weak link in a towing configuration.

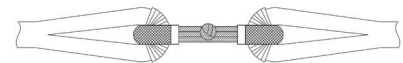
### LANKO<sup>®</sup>NECT BENEFITS:

- quick and easy (dis)connection
- variable calculated breaking force
- cost savings
- connection to a wide range of synthetic ropes
- smoother line movement and easier handling because of the small knot.

## THE LANKO<sup>®</sup>NECT TRANSFORMS TOWING OPERATIONS AND SAFETY

### THEORETICAL BREAKING FORCE

#### LANKO<sup>®</sup>NECT



Description	Theoretical Breaking Force		
	kN	t (metric)	lbs
2-loops 22mm	1.026	104	230.654
3-loops 22mm	1.539	155	345.981
2-loops 24mm	1.215	123	273.143
3-loops 24mm	1.822	184	409.602
2-loops 26mm	1.395	141	313.609
3-loops 26mm	2.093	211	470.525
2-loops 28mm	1.598	161	359.245
3-loops 28mm	2.397	242	538.867
2-loops 30mm	1.798	181	404.207
3-loops 30mm	2.698	272	606.535
2-loops 32mm	2.022	204	454.564
3-loops 32mm	3.033	306	681.846

Tolerance on theoretical breaking force is +/- 10%, based on D/d ratio 3.5:1.



# THE VITAL CONNECTION

## Lankhorst | *Ropes*

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