

Arctic Offshore Master Links

Type Approved to DNV 2.7-1



Adverse weather and rough sea conditions - sometimes in combination with extremely low temperatures - must be included in the design and safety factor of container lifting sets. The heat treatment of the components must ensure proper ductility and strength to sustain shock loads which may be imposed when the container is lifted from the deck of a vessel.

The lifting sets (chain or wire rope sling, shackles and master links) must be specially designed for the purpose to lift offshore containers. One of the main differences compared to an onshore standard or specification, is that it allows for the dynamic forces at sea by adding an extra enhancement factor to increase the level of safety. Another difference is that the requirements and testing of materials that will be used in cold environments, are more extensive.

Arctic Offshore Master Link MT



Arctic Offshore Master Link M



Design Temperature -40 °C

The Arctic Offshore Master links are highly suitable to withstand shock loads and fatigue, even in extremely cold conditions. The new master link range has a design temperature of -40 °C, making it suitable for even the harshest weather conditions such as the North Sea.

High Visibility colour

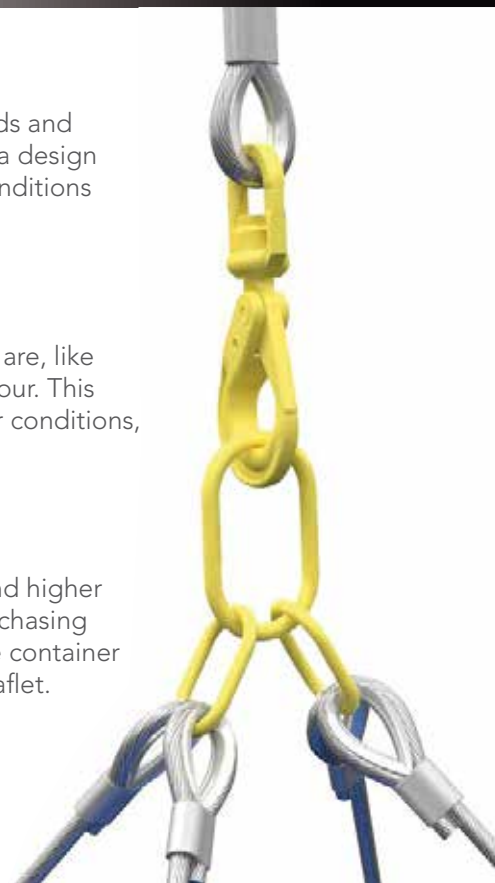
To even further increase the safety on the work site, the Arctic master links are, like most of Gunnebo Industries' offshore range, painted in a high visibility colour. This makes it easier for the operator to detect the lifting gear in severe weather conditions, keeping both load and personnel safe.

Improved Working Load Limits

It comes in an optimized range where each master link will have a wider and higher working load limit span than the old range. This makes it easier from a purchasing point of view, as well as decreasing the risk of incorrect use. A table for the container ratings and recommended master links can be found at the back of this leaflet.

100% Proof Loading

All lifts require reliable products with the highest safety to ensure a safe working environment as well as to protect the load. Gunnebo Industries perform rigorous testing in their factories before the product is released. 100 % of the components of all batches are proof loaded 2.5 times their working load limit and visually inspected by competent personnel. This is done without exception to guarantee highest quality and safety for the end user. For the Arctic master links there is also a stress relieving additional heat treatment to make the product as suitable as possible for the harsh marine environment.

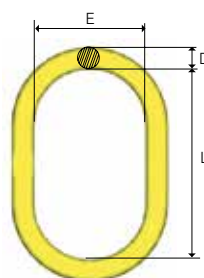


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Art. no.	Code	WLL tonnes 4:1	Max. Container rating* (kgs)	L	E	D	Weight kgs
Z101397	M-7T-10 OS	7.6	2 500	160	95	22	1.5
Z101387	M-12T-10 OS	12.5	7 500	270	140	28	3.8
Z101388	M-18T-10 OS	18.5	13 500	270	140	32	5.1
Z101389	M-29T-10 OS	29.2	25 000	270	140	40	8.2
Z101394	M-40T-10 OS	40.0	N/A	300	180	45	11.9
Z101395	M-48T-10 OS	48.0	N/A	300	200	50	15.2
Z101396	M-60T-10 OS	60.0	N/A	350	200	55	20.6

* For further information, see DNV 2.7-1



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Art. no.	Code	WLL tonnes 4:1	Max. Container rating* (kgs)	L1	L	E	D	I	e	d	Weight kgs
Z101398	MT-7T-10 OS	7.8	3 000	340	190	110	28	150	90	19	5.0
Z101390	MT-12T-10 OS	12.5	7 500	430	270	140	28	160	95	22	6.8
Z101391	MT-18T-10 OS	18.5	13 500	460	270	140	32	190	110	28	10.8
Z101392	MT-29T-10 OS	29.2	25 000	470	270	140	40	200	120	32	16.2
Z101393	MT-40T-10 OS	40.0	N/A	570	300	180	45	270	140	40	28.2

* For further information, see DNV 2.7-1

