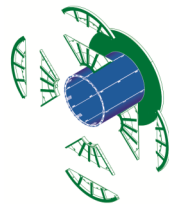


Safe Transportation

The transportation and lifting of reeled products has often been performed without a detailed review of all load carrying members capacity. To facilitate a more controlled and recognizable lifting situation, all M-reels are formally certified by DNV who issues a Product Certificate of Conformance based on the Type Approval Certificate requirements and their surveyors follow up during manufacturing.

The strength of the M-reels has also been proven by repeated load tests over the years.



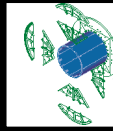
M-Reel®

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Reels for Certified Lifts

300mt and 400mt Payload M-Reels 8.6m—12.4m OD



M-Reel AS

www.M-Reel.com

300mt & 400mt M-Reels

All large M-Reels are certified for either 300mt or 400mt payload.

The reels may be delivered with 4m—7m cores. Additional accessories such as dividers and termination head saddles or fixing structures “eats” of the payload.

The allowable CoG travel has been calculated for various load cases, and the need for off centre CoG is often the reason for choosing a 400mt payload reel instead of a 300mt reel.

The large M-Reels are supplied in the following standard dimensions:

300mt capacity

8.6m OD with 4, 5, 6 or 7m core OD
9.2m OD with same choice of core OD's

400mt capacity

9.2m OD with 4, 5, 6 or 7m core OD
10.4m OD with same core OD's
11.4m OD with 5, 6 or 7m core OD (4m after case-by-case evaluation)
12.4m OD with same core OD's as above

Backtension

The M-reels are designed for babacktensions which are suitable for the products taking Productand Core OD as well as the degree of reel filling into consideration. For off-spooling a higher backtension may be applied, after individual evaluation in each case.

Compatibility with Drive Systems

The M-Reels are all designed to be used with centre drive winch units and underroller systems common in the offshore installation market.

Flexibility

The M-reels may be configured with a core diameter suitable for the products MBR and the need to accommodate termination heads within the OD of the reel.

Along the core elements are 5-7 standard divider positions where customer may chose to set one or more dividers, depending on Customer's needs.

For those who need to have two different core diameters, one for the cable/pipe/riser and one for the termination head, special short core sections with a larger diameter may be delivered and installed on the M-Reel.

Design Standards :

DNV-ST-0378	OFFSHORE AND PLATFORM LIFTING APPLIANCES
DNV-RP-0232	PIPELINE AND CABLE LAYING EQUIPMENT
DNV-ST-N001	MARINE OPERATIONS AND MARINE WARRANTY
DNV-RP-C205	ENVIRONMENTAL CONDITIONS AND LOAD
DNV-OS-H205	LIFTING OPERATIONS
EN 1993-1-8	EUROCODE 3: DESIGN OF STEEL STRUCTURES – DESIGN OF JOINTS
IMO CCS CODE	SAFE PRACTICE OF CARGO STOWAGE AND SECURING

For Customers who need a higher payload capacity than 400mt, M-Reels may be modified, and case-by-case approved by DNV for higher payloads .

M-Reel Assembly Sequences



Safe and Cost Efficient Truck or Container Transportation