



TYPE APPROVAL CERTIFICATE

Certificate No:
TAS0000050
Revision No:
6

This is to certify:

That the Lifting Gear

with type designation(s)

MOD 6, MOD12, MOD24, MOD34, MOD50, MOD70, MOD70H, MOD110, MOD110H, MOD110SH, MOD250 series, MOD400 series, MOD600 series, MOD800 series and MOD1100 series

Issued to

Modulift UK Ltd
Poole, Dorset, United Kingdom

is found to comply with

DNV standard DNV-ST-0378 – Offshore and platform lifting appliances

Application :

Modular Spreader Beams for offshore cranes

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Høvik** on **2020-12-10**

for **DNV**

This Certificate is valid until **2025-09-22**.

DNV local station: **Aberdeen Verification**

Approval Engineer: **Thomas Henrik Tranesen**

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Per Esvall
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

Modulift Modular Spreader beams with the following MOD Sizes and MOD Series:

MOD Size	MOD Series
MOD6	MOD6
MOD12	MOD12
MOD24	MOD24
MOD34	MOD34
MOD50	MOD50
MOD70	MOD70
MOD70H	
MOD110	MOD110
MOD110H	
MOD110SH	MOD110SH
MOD250/70	MOD250
MOD250/70H	
MOD250/110	
MOD250/110H	
MOD250/250	
MOD250/300	
MOD250/400	
MOD400/110	
MOD400/110H	
MOD400/250	
MOD400/400	
MOD400/500	
MOD400/600	
MOD600XB/400	MOD600
MOD600XB/600	
MOD600XB/800	
MOD600XB/1000	
MOD800J/600	MOD800
MOD800J/800	
MOD800J/1000	
MOD800J/1200	
MOD800X/1500	
MOD1100/2000	MOD1100

Design temperature = 0°C

Design dynamic factor (DAF) = 1.3 for SWL ≤ 100 tonnes
 1.2 for SWL > 100 tonnes

Safe Working Load (SWL): specified in User Instructions MOD##, Table 2: Load v Span for whole range of spreader beams in Techdoc DNV no. 135, 138, 139, 141, 142 and 158.

Application/Limitation

1. All materials shall be delivered with 3.1 certificates, documenting mechanical properties and chemical composition in accordance with the Type Approval documentation, and shall comply with DNV-ST-0378 §3.
2. It is the end user's responsibility to ensure that the real dynamic factor does not exceed the design dynamic factor.
3. Rigging components such as slings, shackles, links, etc. shall comply with a recognized standard and shall be delivered with the manufacturer's certificate documenting sufficient capacity.
4. All intermediate lengths of spreader beams between minimum-maximum spans for a certain MOD size are covered.

Type Approval documentation

Drawing	No.	Rev.	Title
-	-	-	Booklet – MOD 6 Drawings
-	-	-	Booklet – MOD 12 Drawings
-	-	-	Booklet – MOD 24 Drawings
-	-	-	Booklet – MOD 34 Drawings
-	-	-	Booklet – MOD 50 Drawings
-	-	-	Booklet – MOD 70 Drawings
-	-	-	Booklet – MOD 70H Drawings
-	-	-	Booklet – MOD 110 Drawings
-	-	-	Booklet – MOD 110H Drawings
-	-	-	Booklet – MOD 110SH Drawings
-	-	-	Booklet – MOD 250250 Drawings
-	-	-	Booklet – MOD 250300 Drawings
-	-	-	Booklet – MOD 250400 Drawings
-	-	-	Booklet – MOD 400400 Drawings
-	-	-	Booklet – MOD 400500 Drawings
-	-	-	Booklet – MOD 400600 Drawings
-	-	-	Booklet - MOD CONE ADAPTOR Drawings
-	-	-	Booklet - MOD CONE ADAPTOR UI's
-	-	-	Mod Sizes
-	-	-	Booklet - Mod 6 to Mod 400600 User Instructions
-	-	-	Mod 600 User Instructions
-	-	-	Mod 800 User Instructions
-	00	00	Booklet – MOD 600 Series
-	00	00	Booklet – MOD 800 Series
-	00	00	Booklet – MOD 800X/1500 (*)
-	00	00	Booklet – MOD Spacer Block
-	-	-	Booklet – Modulift User Instructions (53 pages)
01-MCR-0201-C01	01	01	Modulift Calculations Report Mod 6 to Mod 400 Series
MOD600XB-100-C01	01	01	Calculations Report MOD 600XB/400/600/800 & /1000 Spreader Beam
MOD800J-100-C01	01	01	Calculations Report MOD 800J/600/800 & /1000 Spreader Beam
-	-	-	MOD 800J Series User instructions SWLs
-	-	-	MOD 600XB Series User instructions SWLs
MOD-TG01	0	0	Modulift Spreader Beam – Assembly Procedure
MOD-TG02	0	0	Modulift Spreader Beam – Inspection guide
-	-	-	Booklet – MOD 1100/2000 series
-	-	-	User instructions MOD 1100/2000
MOD1100_2000-100-C01	01	01	Calculations report MOD 1100/2000 Spreader beam
MOD250-S-F03	01	01	Mod 250 3m strut, fabrication drawing
MOD250400-EU-F01	06	06	Mod 250/400 end unit, fabrication drawing
MOD250400-SC-P01	01	01	Mod 250/400 side cheek, profile drawing
MOD400-S-F02	01	01	Mod 400 3m strut, fabrication drawing
MOD400400-SC-P01	01	01	Mod 400/400 side cheek, profile drawing
MOD400-SP-P01	01	01	Mod 400 spacer plate, profile drawing
MOD400-S-F03	01	01	Mod 400 2m strut, fabrication drawing
MOD400-S-F04	01	01	Mod 400 1m strut, fabrication drawing
MOD400400-ST-P01	01	01	Mod 400/400 split tube, drawing
MOD400-S-F01	01	01	Mod 400 6m strut, fabrication drawing

MOD400-D-F05	01	Mod 400 0.5m strut, fabrication drawing
MOD400400-EU-F01	07	Mod 400/400 end unit, fabrication drawing
MOD400-EP-P01	02	Mod 400 end plate profile, drawing
MOD400600-SC-P01	03	Mod 400/600 side cheek, profile drawing
MOD400600-ST-P01	03	Mod 400/600 split tube, drawing
MOD400500-ST-P01	03	Mod 400/500 split tube, drawing
MOD400500-SC-P01	03	Mod 400/500 side cheek, profile drawing
MOD400500-EU-F01	06	Mod 400/500 end unit, fabrication drawing
MOD250-ST-P01	03	Mod 250 slip tube, drawing
MOD250-S-F02	01	Mod 250 4m strut, fabrication drawing
MOD250-S-F01	04	Mod 250 6m strut, fabrication drawing
MOD250-EP-P01	02	Mod 250 end plate profile, drawing
MOD250250-EU-F01	06	Mod 250/250 end unit, fabrication drawing
MOD250-S-F04	01	Mod 250 2m strut, fabrication drawing
MOD250-S-F05	01	Mod 250 1m struct, fabrication drawing
MOD250-S-F06	01	Mod 250 0.5m struct, fabrication drawing
MOD250-SP-P01	02	Mod 250 spacer plate, profile drawing
MOD250250-SC-P01	01	Mod 250/250 side cheek, profile drawing
MOD400600-EU-F01	06	Mod 400/600 end unit, fabrication drawing

(*): approval based on DVR P5994-J-9244

Certification

When a CG3 or DNV product certificate is required by end user or relevant local regulations, testing of the fully assembled lifting beam at final installation shall be carried out in accordance with DNV-ST-0378 Table 14-2 and witnessed by a DNV surveyor. Assembling of the lifting tool at final installation to be carried out by qualified personnel following assembling procedure MOD-TG01 Rev 0. Disassembling of any load carrying part of the lifting tool invalidates above mentioned certificates.

Marking of product

Each lifting beam shall be marked according to DNV-ST-0378 Section 14.

Periodical assessment

For retention of the Type Approval, a DNV Surveyor shall perform periodical assessment after 2 years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the approval are complied with. Reference is made to DNV-CP-0338.

END OF CERTIFICATE