

TYPE APPROVAL CERTIFICATE

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 and MOD800 series

Issued to

**Modulift UK Limited
Poole Dorset, United Kingdom**

is found to comply with

Standard for Certification No. 2.22 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 **2017-09-19**for **DNV GL**This Certificate is valid until **2019-10-05**.DNV GL local station: **Aberdeen Verification -
Offshore Equipment & Structures**Approval Engineer: **Antonio Sendin Alvarez**

**Aldo Matteucci
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.



Job Id: **262.1-017330-4**
 Certificate No: **TAS0000050**
 Revision No: **2**

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	
MOD250/250	MOD250
MOD250/300	
MOD250/400	
MOD400/400	MOD400
MOD400/500	
MOD400/600	
MOD600XB/400	MOD600
MOD600XB/600	
MOD600XB/800	
MOD600XB/1000	
MOD800J/600	MOD800
MOD800J/800	
MOD800J/1000	
MOD800X/1500	
Mod400/110	MOD400
Mod400/110H	
Mod400/250	
Mod250/70	MOD250
Mod250/70H	
Mod250/110	
Mod250/110H	

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 Table 2: Load v Span for whole range of spreader beams in Techdoc DNV GL no. 135, 138 and 139.

Application/Limitation

1. All materials are to be delivered with 3.1 certificates, documenting mechanical properties and chemical composition in accordance with the Type Approval documentation, and shall comply with Standard for Certification No. 2.22 "Lifting Appliances" Ch.2 Sec.1.

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2. It is the operator's duty to ensure that real dynamic factor does not exceed the design dynamic factor.
3. Wire, shackles and links shall be in accordance with a recognised standard and shall be delivered with the manufacturer's certificate documenting sufficient capacity.

Type Approval documentation

The documentation has been approved on 2015-10-06, except (*) which has been approved on 2017-06-06

Drawing No.	Rev.	Title	Status
-	-	Booklet – MOD 6 Drawings	Type Approved
-	-	Booklet – MOD 12 Drawings	Type Approved
-	-	Booklet – MOD 24 Drawings	Type Approved
-	-	Booklet – MOD 34 Drawings	Type Approved
-	-	Booklet – MOD 50 Drawings	Type Approved
-	-	Booklet – MOD 70 Drawings	Type Approved
-	-	Booklet – MOD 70H Drawings	Type Approved
-	-	Booklet – MOD 110 Drawings	Type Approved
-	-	Booklet – MOD 110H Drawings	Type Approved
-	-	Booklet – MOD 110SH Drawings	Type Approved
-	-	Booklet – MOD 250250 Drawings	Type Approved
-	-	Booklet – MOD 250300 Drawings	Type Approved
-	-	Booklet – MOD 250400 Drawings	Type Approved
-	-	Booklet – MOD 400400 Drawings	Type Approved
-	-	Booklet – MOD 400500 Drawings	Type Approved
-	-	Booklet – MOD 400600 Drawings	Type Approved
-	-	Booklet - MOD CONE ADAPTOR Drawings	Type Approved
-	-	Booklet - MOD CONE ADAPTOR UI's	Type Approved
-	-	Mod Sizes	For Information
-	-	Booklet - Mod 6 to Mod 400600 User Instructions	For Information
		Mod 600 User Instructions	For Information
		Mod 800 User Instructions	For Information
-	00	Booklet – MOD 600 Series	Type Approved
-	00	Booklet – MOD 800 Series	Type Approved
	00	Booklet – MOD 800X/1500 (*)	Type Approved
-	00	Booklet – MOD Spacer Block	Type Approved
-	-	Booklet – Modulift User Instructions (53 pages)	For information
01-MCR-0201-C01	01	Modulift Calculations Report Mod 6 to Mod 400 Series	For information
MOD600XB-100-C01	00	Calculations Report MOD 600XB/400/600/800 & /1000 Spreader Beam	For information
MOD800J-100-C01	00	Calculations Report MOD 800J/600/800 & /1000 Spreader Beam	For information

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



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Tests carried out

To obtain a DNV GL product certificate, each spreader beam shall be tested according to DNV's Standard for Certification 2.22 "Lifting Appliances", June 2013, Ch.2 Sec.12.

Marking of product

Each lifting beam shall be marked according to DNV's Standard for Certification No. 2.22 "Lifting Appliances" Ch.2 Sec.12.

Periodical assessment

For retention of the Type Approval, a DNV GL surveyor shall perform a survey before expire date of this certificate to verify that the conditions for the type approval are complied with.

END OF CERTIFICATE