

**McCONNELL
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CREATIVE CONSTRUCTION™

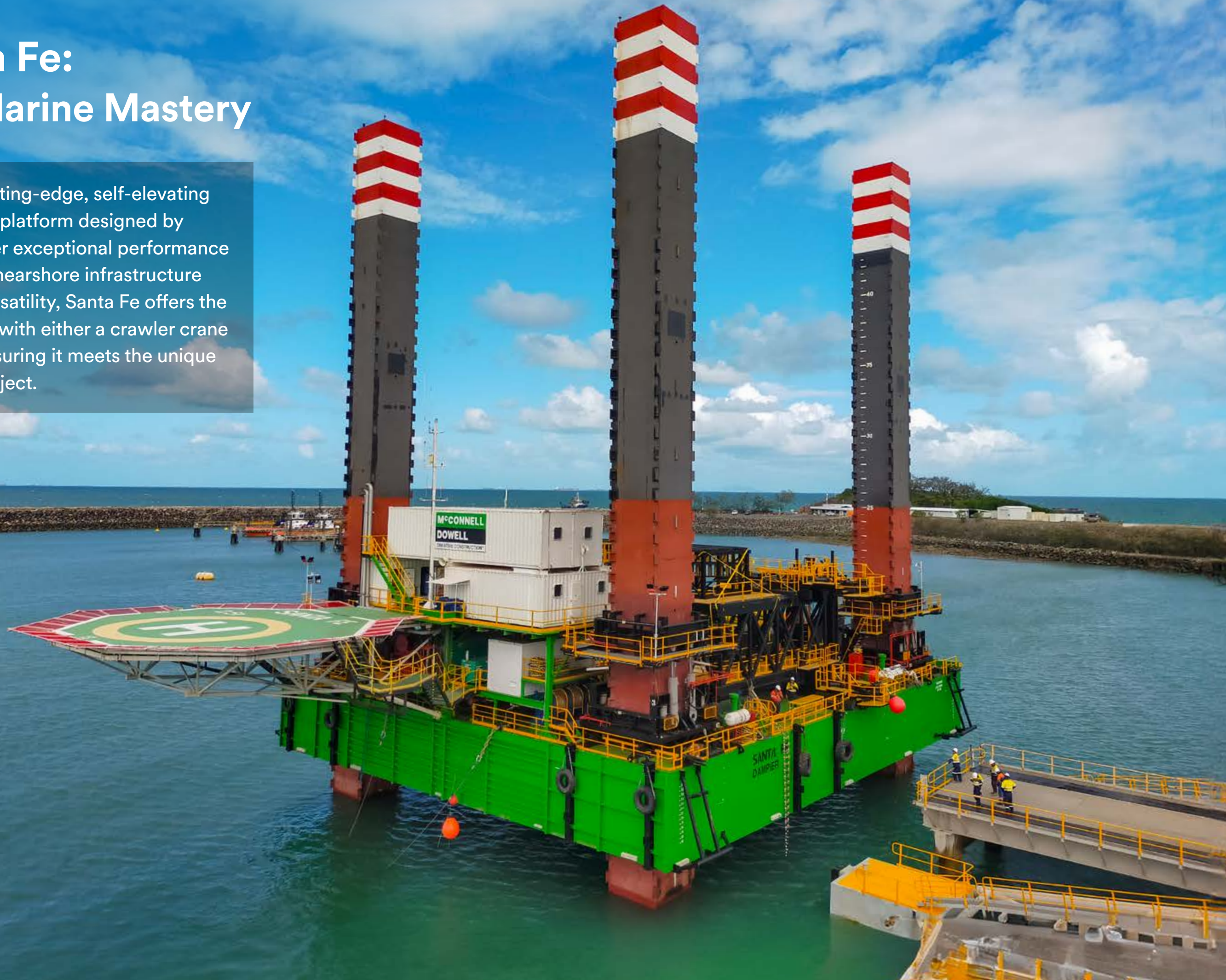


Santa Fe Jack-Up Barge

Versatile power
for marine projects

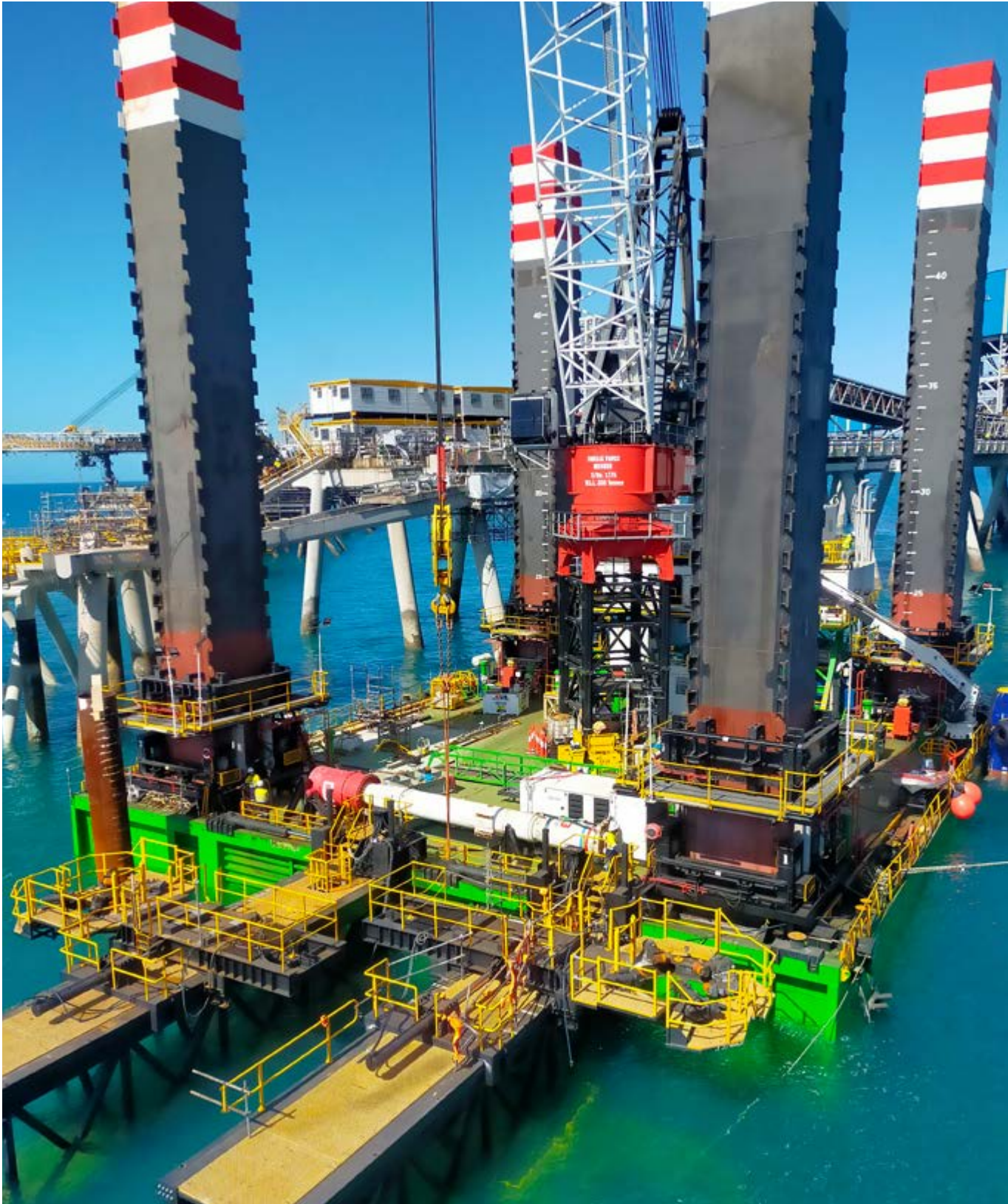
The Santa Fe: Built for Marine Mastery

The Santa Fe is a cutting-edge, self-elevating marine construction platform designed by Gusto MSC to deliver exceptional performance and adaptability for nearshore infrastructure projects. Built for versatility, Santa Fe offers the flexibility to operate with either a crawler crane or a tower crane, ensuring it meets the unique demands of your project.



Specifications

Its integrated helipad streamlines crew and equipment logistics, while optional 12-meter leg extensions provide enhanced stability and operational reach in varying water depths. Whether you’re constructing ports, bridges, or offshore facilities, Santa Fe combines strength, reliability, and customization to help you achieve your goals efficiently and safely.



Jacking System

Make	IHC Gusto Engineering
System	Positive engagement
Leg type	Square
Capacity (preload)	1000 ton/leg
Pontoon lifting speed	12 m/hr
Standard leg length	49 m
Maximum operational water depth	30-45 m

Pontoon

Dimensions	35.0 X 30.3 X 4.1 m
Draft	3.1 m
Jacking Payload capacity	680t with M2480D
Classification	B.V, Offshore service unit
Capacity fuel tank	26 m³
Capacity fresh water tank	14 m³
Capacity sewage tank	1.5m³
Flag State	Dampier / Australia

Mooring System

Number of winches	6
Pulling force	30 ton
Holding force	60 ton
Wire diameter	34 mm
Drum capacity	300 m
Anchors	6 x 5T Delta Flipper (Not currently fitted)

Power Sources

Jacking generators	2 x 380V 400 kVA
Auxiliary generator	2 x 415V 100 kVA

Crane

Tower Crane	Favelle Favco
Model	M2480D
Previous capacity main hoist	132 ton @ 20 meter
Previous boom length	64.8 m
Crawler Crane	Kobelco SL6000
Max. operating weight of crane	445 ton
Previous capacity main hoist	130 ton @ 16 meter
Previous boom length	45 m

Helipad

The removable helipad has been designed to comply with Cap 437. It is currently rated for a Eurocopter AS350 B3 with a MTOW of 2500kg or equivalent.

The helipad is upgradeable to suit a Eurocopter EC145 with a MTOW of 3585kg.

Accommodation

Main deck: deck store, machinery rooms.

Tween deck: mess room and kitchenete, jacking office, spare office, male and female toilets with showers.

Upper deck: two large offices, meeting room, emergency accommodation for eight personnel. Vessel to Vessel transfer stairway.

Helipad

Foundation Equipment

A wide range of piling and drilling equipment can be made available for the installation of piles. The Santa Fe comes equipped with 2 hydraulic pile gates, suitable for use with piles up to 1500mm diameter.

The following equipment has been used previously:

- Impact hammers up to 500 kNm
- Vibration hammers up to 115 kgm
- Drill rigs up to 20 tonmeter

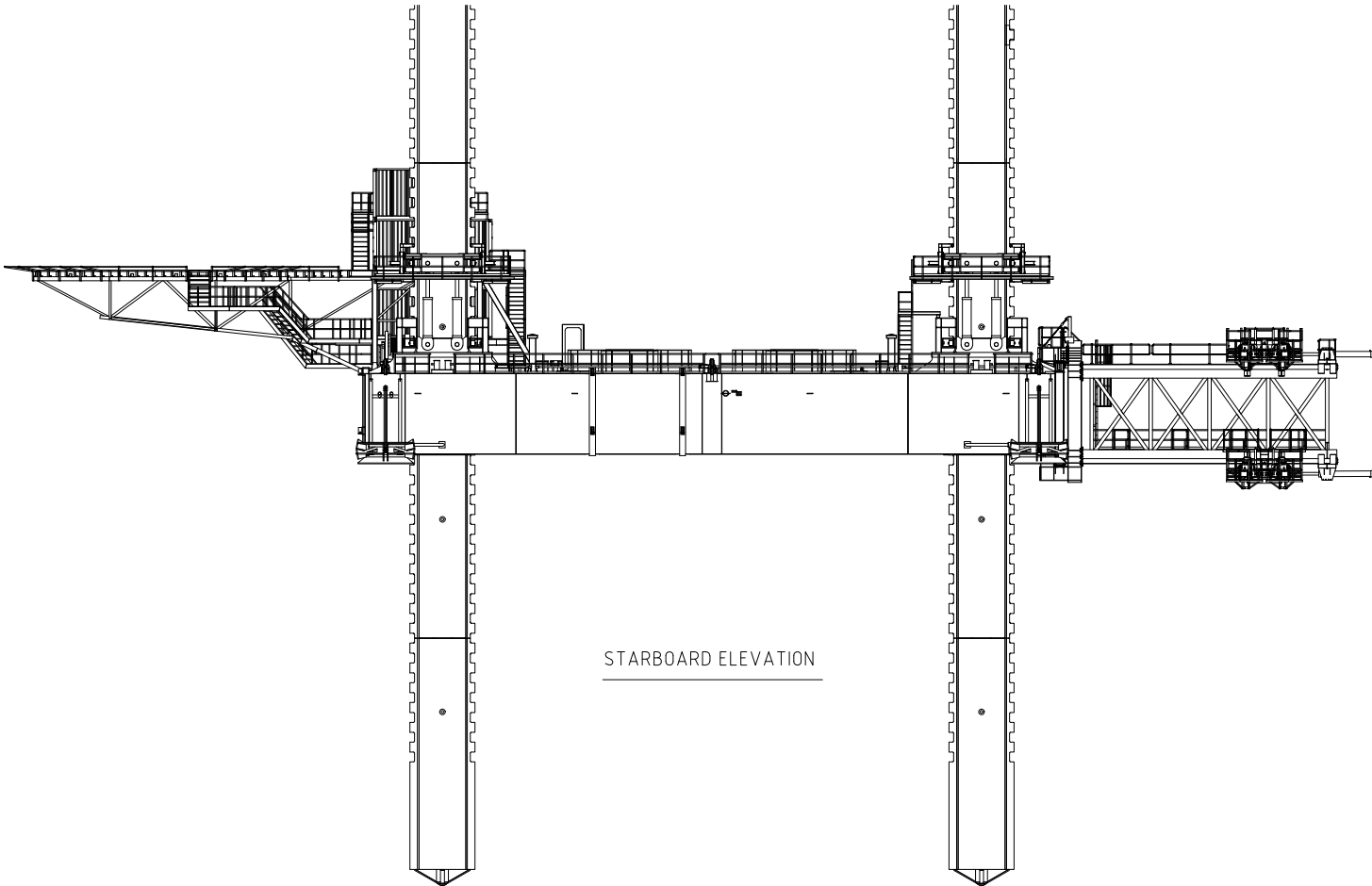
Specifications

Main Dimensions

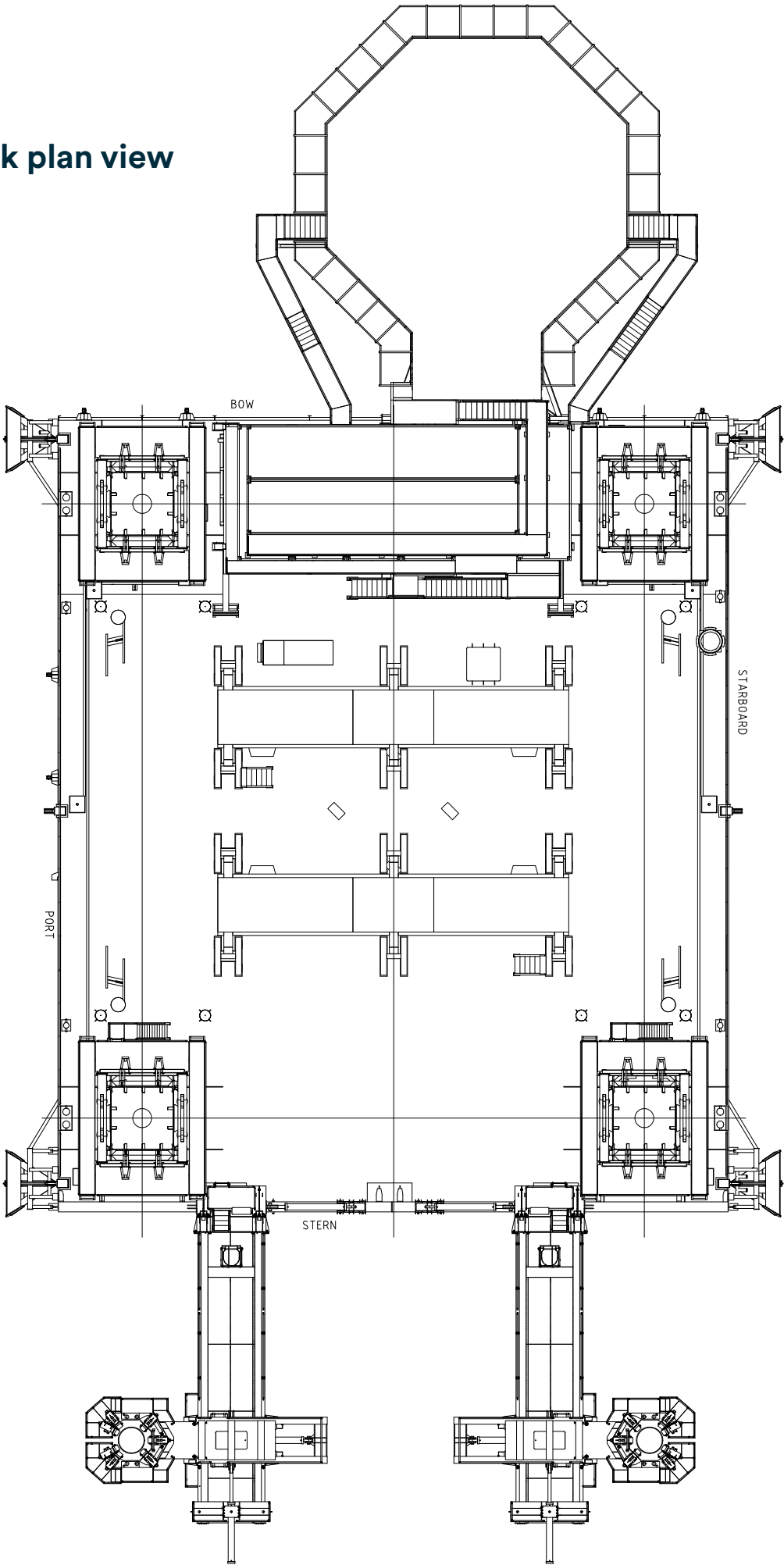
Length (OA)	35 m	Depth (mid)	4.1 m	Compliment	12 persons
Width (WL)	35 m	Max draft	3.1 m	GT	 1199
Breadth (mid)	30 m	Max payload	 1130T	NT.....	359



Starboard elevation

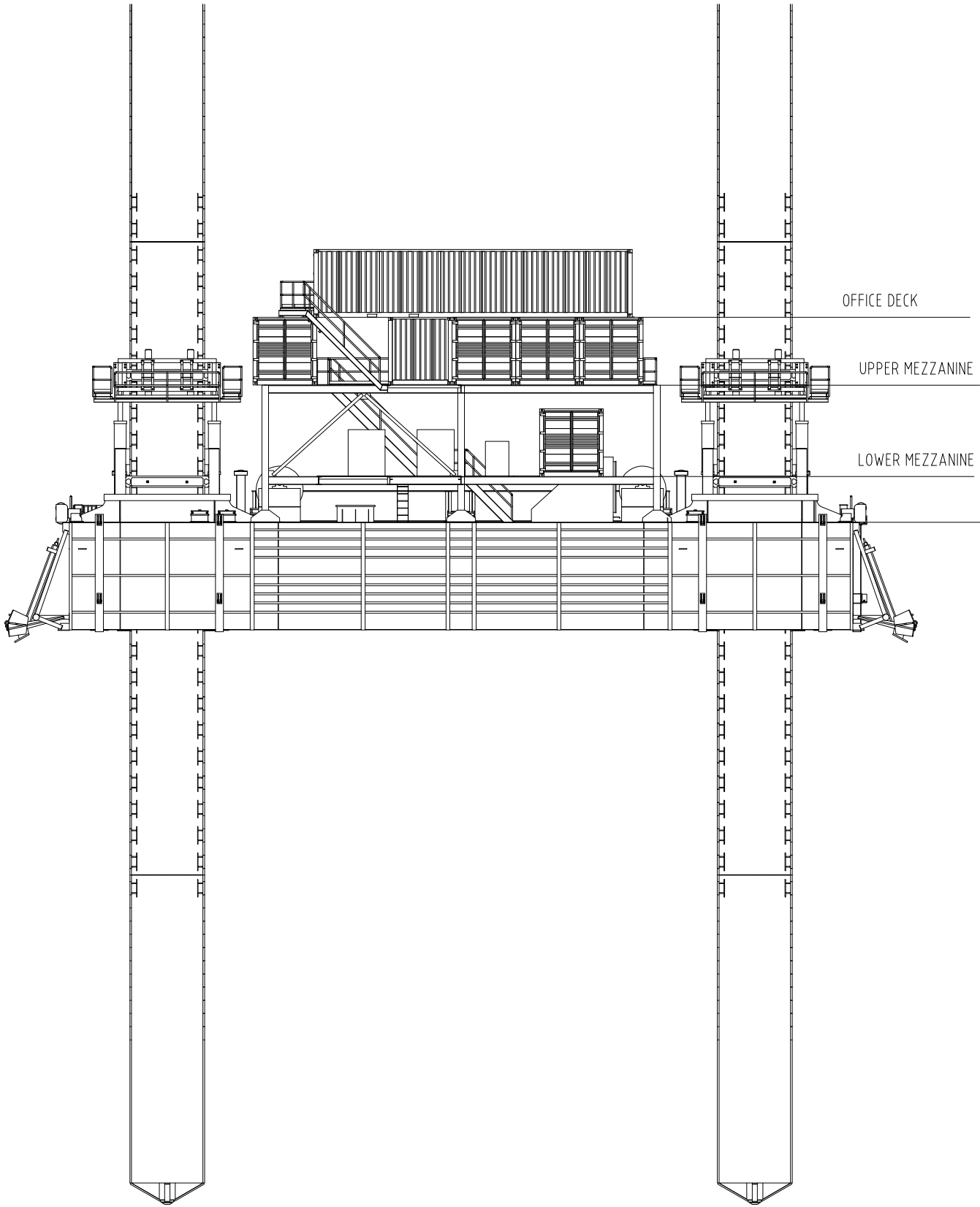


Main deck plan view

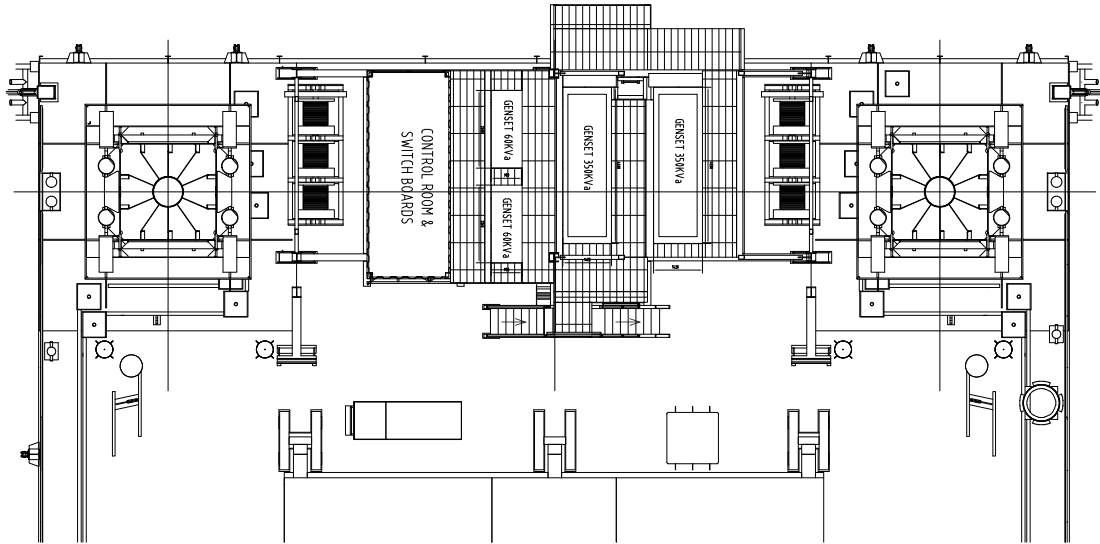


Specifications

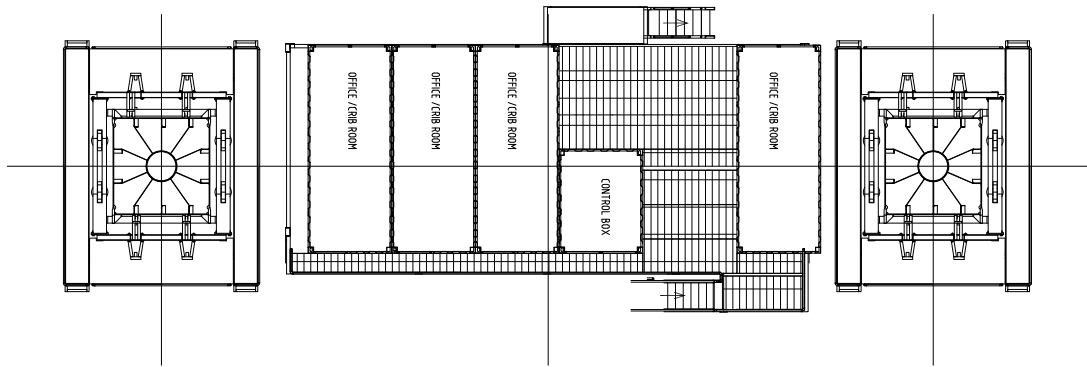
Stern elevation



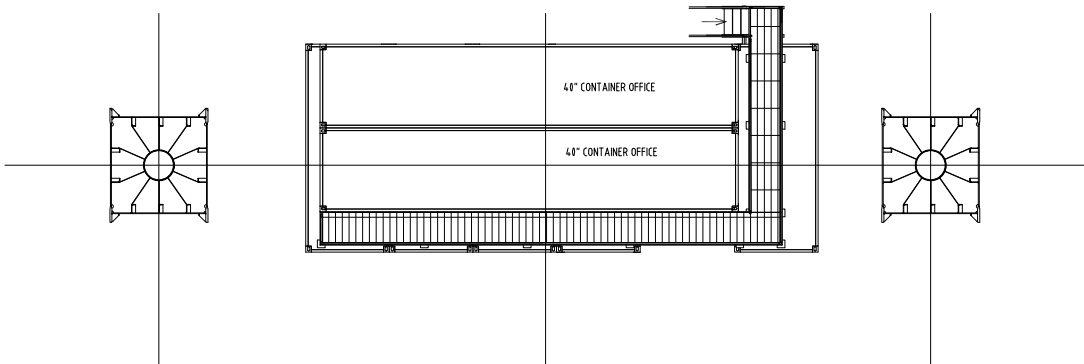
Lower mezzanine



Upper mezzanine



Office deck



Specifications

M2480D LOAD CHART S/No. 1775 64.8M BOOM MAIN HOIST: THREE FALLS					
RADIUS (METRES)	BOOM ANGLE (DEGREES)	SAFE WORKING LOAD (SWL) IN TONNES			
		ON PLATFORM	SIGNIFICANT WAVE HEIGHT 1.5METRES	SIGNIFICANT WAVE HEIGHT 1.5METRES	SIGNIFICANT WAVE HEIGHT 1.5METRES
			OFFBOARD	OFFBOARD	OFFBOARD
7.3	85.9	165.0	165.0	121.4	96.2
10.0	83.5	165.0	157.0	115.7	92.1
12.5	81.3	165.0	149.4	112.4	90.2
15.0	79.0	165.0	143.5	109.1	88.2
17.5	76.7	165.0	138.2	105.1	85.3
20.0	74.4	165.0	132.3	101.4	82.7
22.5	72.1	165.0	126.8	98.0	80.4
25.0	69.7	165.0	120.3	94.9	78.2
27.5	67.3	157.1	113.8	91.9	76.2
30.0	64.9	141.3	107.9	89.2	74.4
32.5	62.4	127.9	102.4	86.6	72.6
35.0	59.8	116.4	97.5	84.1	71.0
37.5	57.2	106.5	92.9	81.7	69.4
40.0	54.4	97.8	88.6	79.4	67.9
42.5	51.6	90.1	84.4	77.1	66.4
45.0	48.6	83.3	78.5	74.8	65.0
47.5	45.5	77.2	72.8	69.8	63.6
50.0	42.2	71.8	67.4	64.9	62.0
52.5	38.7	66.9	62.3	60.2	57.7
55.0	34.8	62.5	57.1	55.5	53.4
57.5	30.5	58.4	52.0	50.7	49.0
60.0	25.5	54.8	46.7	45.7	44.5
62.5	19.2	51.5	40.7	40.1	39.3
63.7	15.3	50.0	37.3	36.8	36.3
RATING METHOD: BOTTOM-SUPPORTED STRUCTURE WITH MAX. OPERATING WIND SPEED 20m/s					
MAX. ALLOWED OFFLEAD/SIDELEAD ANGLE 2.0°/1.0° FOR SIGNIFICANT WAVE HEIGHT UP TO 0.5m					
MAX. ALLOWED OFFLEAD/SIDELEAD ANGLE 2.0°/1.0° FOR SIGNIFICANT WAVE HEIGHT UP TO 1.0m					
MAX. ALLOWED OFFLEAD/SIDELEAD ANGLE 2.0°/1.0° FOR SIGNIFICANT WAVE HEIGHT UP TO 1.5m					
HOOK WEIGHT - 4.5 TONNE			A2170-1402 REV. A		



For more information about McConnell Dowell and our other specialist marine plant please contact us:



+61 3 9816 2400



mcdgroup@mcdgroup.com



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