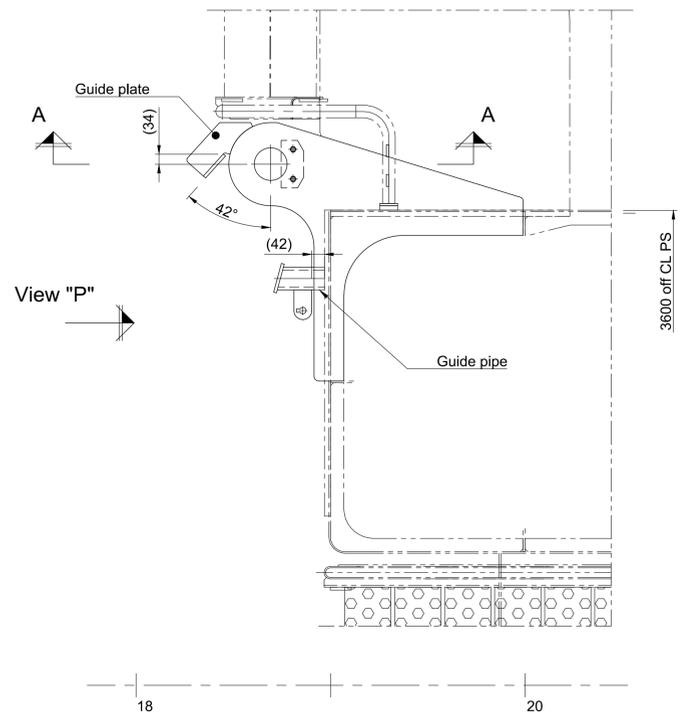
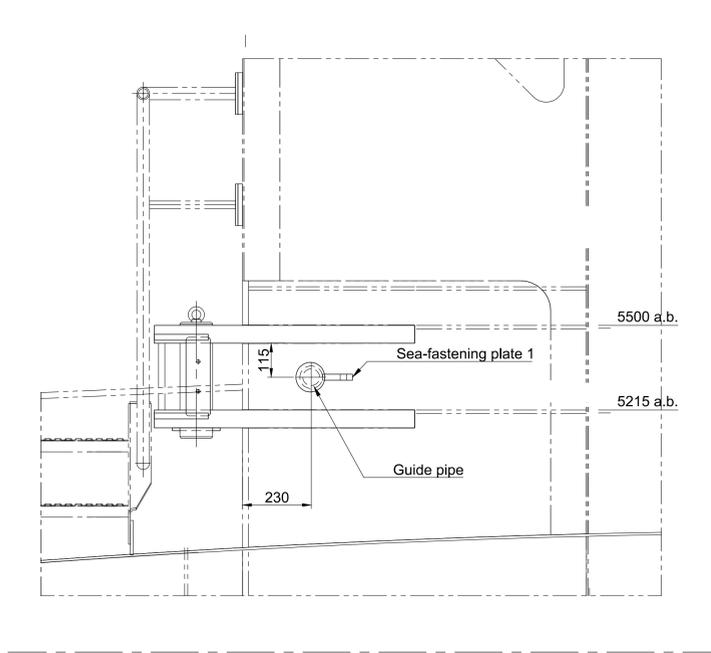


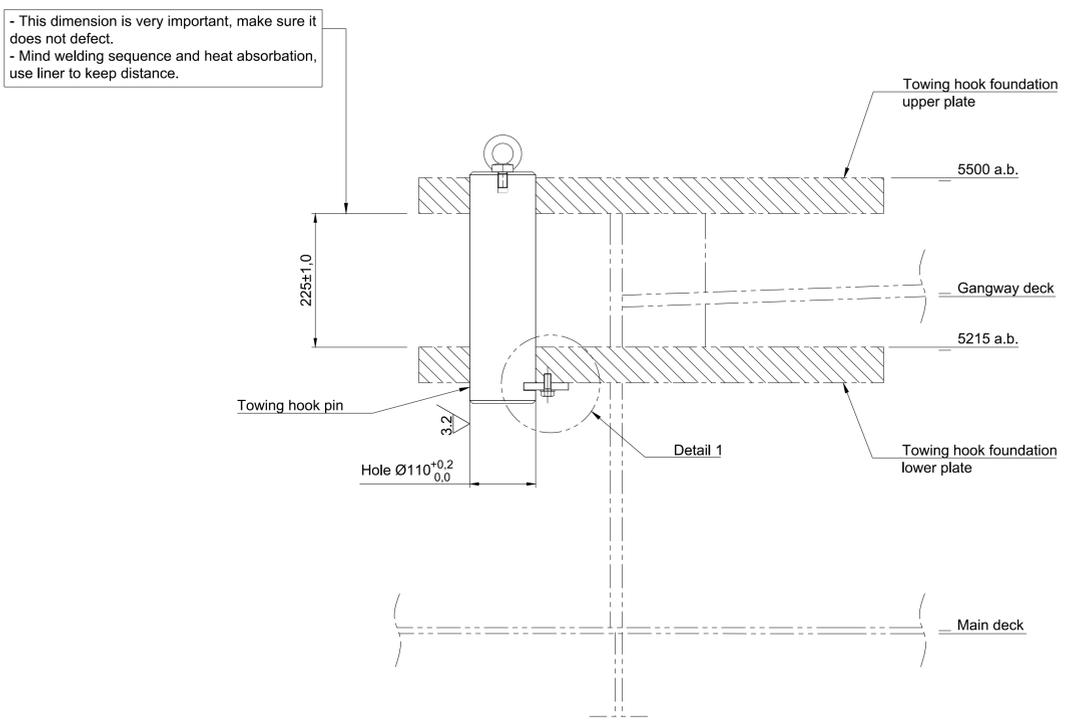
TOP VIEW



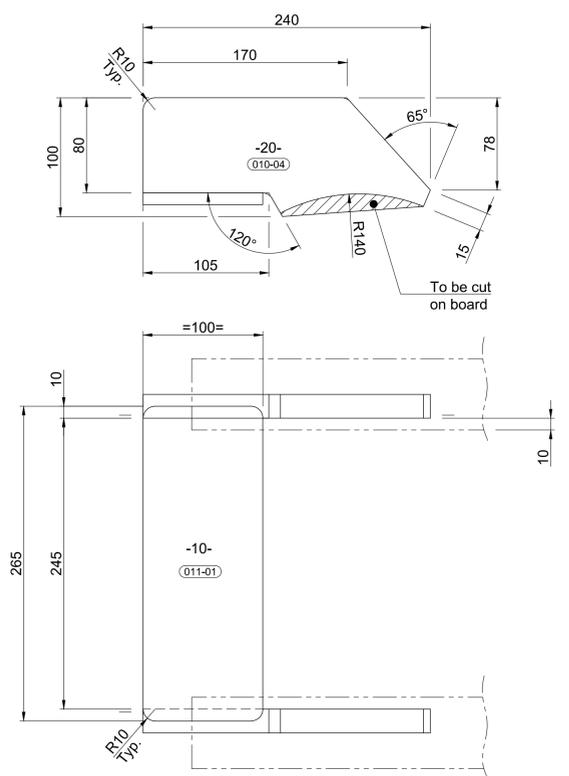
VIEW "P"



SECTION A-A  
Scale 1:5

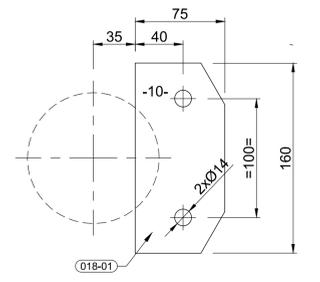


GUIDE PLATE  
Scale 1:2.5

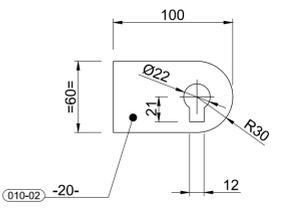


Weight [kg] : 42.5		
Center Of Gravity [m]		
X	Y (from C.L.)	Z
(from frame 0)	PS- & SB++	(from base)
12.150	-3.755	5.301

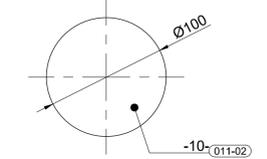
LOCKING PLATE  
Scale 1:2.5



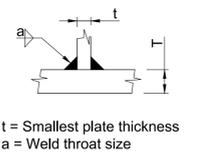
SEA-FASTENING PLATE 1  
Scale 1:2.5



GUIDE PIPE  
Scale 1:2.5



t	a
t ≤ 8	3.5
8 < t ≤ 10	4.5
10 < t ≤ 12	5
12 < t ≤ 14	6
14 < t ≤ 15	6.5
15 < t ≤ 18	7
18 < t ≤ 20	8



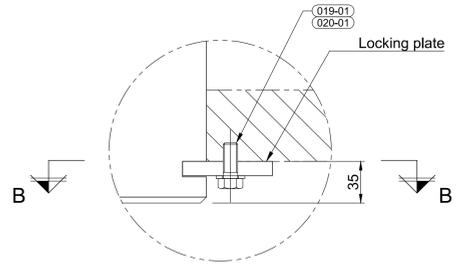
**NOTE**  
 - All welding  $\blacktriangle$  or  $\blacktriangledown$  according welding table unless stated otherwise;  
 - Sharp edges to be removed;  
 - Total weight includes steel constructions and mounting for part 2;  
 - Dimensions between brackets (...) are for reference only;  
 - Complete construction to be Hot Dip Zinc Coated (HDZC) after prefabrication.

**REFERENCE DOCUMENTS**

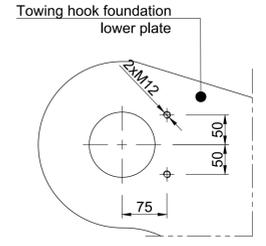
Function	Func.seq.	Class	Title
110	723	DRAW-3D	Construction section 203
550	201	DRAW-2D	Arrangement towing hook - Outfitting

**Bureau Veritas Marine & Offshore**  
 Section 47158L.....  
**REVIEWED**  
 only for parts concerning Classification,  
 and as per contract.  
 Rotterdam, 13-May-2024  
 [Electronic document]  
 The plan approval office

DETAIL 1  
Scale 1:2.5



SECTION B-B  
Scale 1:5



Project No. 513233		Function 550		Sequence 002		Checked LBL		Date 21-11-2023	
Yard No. HB		Section/Compartment		Document number		Sheet		Revision	
COPYRIGHT DAMEN SHIPYARDS GROUP		5498090		1		A01			

ISO 5457 - ISO 200 A1-1 TransNo: TE-513233-00012-01 / Issue: For Approval / Date: 22-01-2024



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The Netherlands

# BILL OF MATERIAL

<b>Arrangement towinghook</b>				Top Part	M550
Project No.	513233	Function	550	Drawn	NCO
Yard No.	Section/Compartment		Document number	5498090	Date
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					A01

POS	PART		DESCRIPTION	DOC NO
	QT.	UNITS		SHT
007-01	1006831		[W], Pipe, DN65, OD=76.1mm, s=10mm, Seamless, EN 10220, Steel P235GH (1.0345), PN10	1419401
	0.2	m		1
010-02	1438493		[W], Plate, t=20mm, Steel Grade A, EN 10029/EN 10163	
	0.01	m2		
010-04	1438493		[W], Plate, t=20mm, Steel Grade A, EN 10029/EN 10163	
	0.06	m2		
011-01	1438491		[W], Plate, t=10mm, Steel Grade A, EN 10029/EN 10163	
	0.03	m2		
011-02	1438491		[W], Plate, t=10mm, Steel Grade A, EN 10029/EN 10163	
	0.01	m2		
018	1469269		Locking plate, for towing hook, locking pin, L=160mm, W=75mm, t=12mm, Steel Grade A, Hot dip galvanized	3346113
	1	pcs		1
019	1001119		Hexagon head bolt, M12, L=30mm, Full thread, DIN 933, Steel 8.8, Hot dip galvanized	
	2	pcs		
020	1001024		Flat washer, M12, di=13.5mm, OD=24mm, t=2.5mm, EN ISO 7091, Steel, Hot dip galvanized	
	2	pcs		

TransNo: TE-513233-00012-01 / Issue: For Approval / Date: 22-01-2024