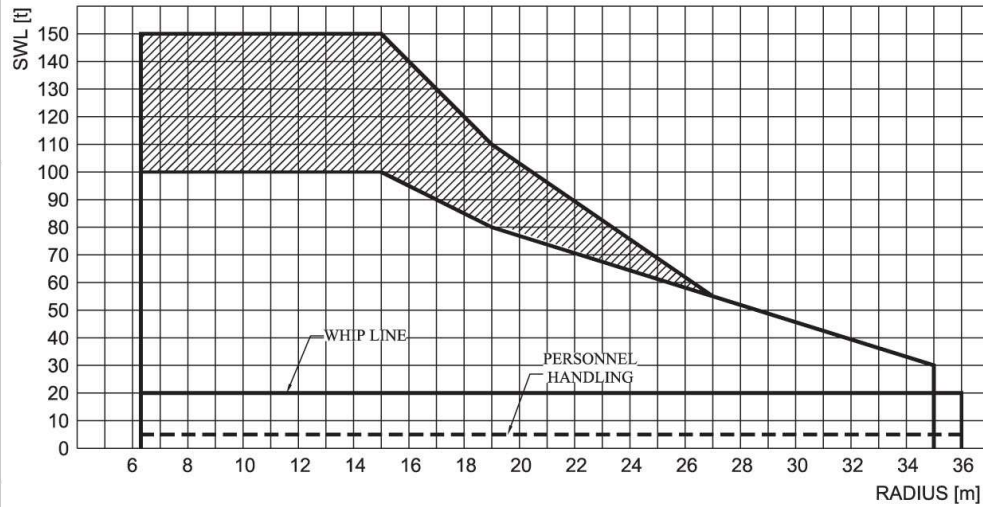


OFFSHORE/SHIPBOARD LIFT LOAD CHART FOR CALM SEA, $H_s = 0$ m

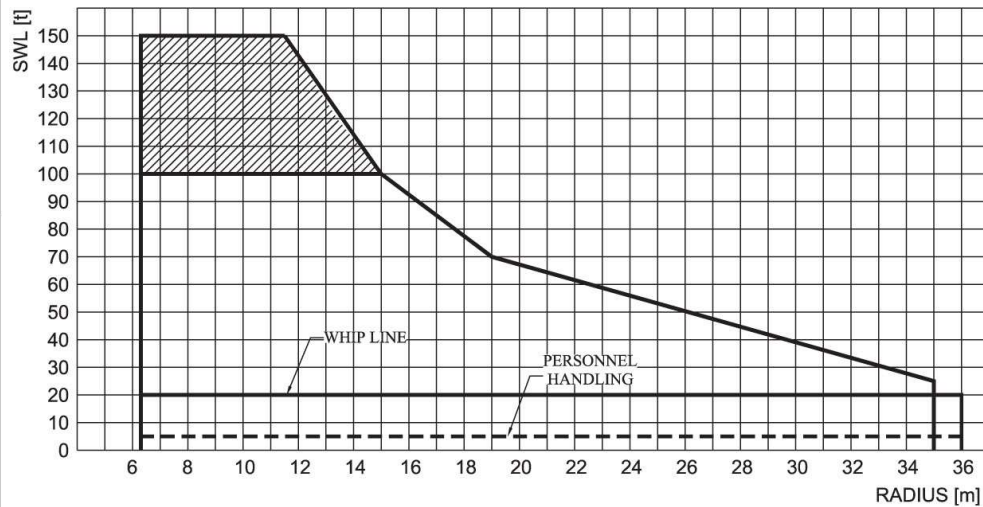
SHIPBOARD LIFT CAPACITY

DESIGN DYNAMIC FACTOR: ACCORDING TO ABS



OFFSHORE LIFT CAPACITY

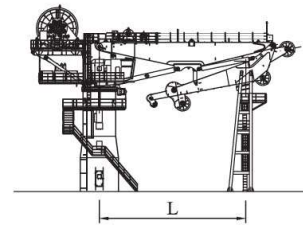
DESIGN DYNAMIC FACTOR: 1.33



MAXIMUM REACTION FORCES	FORCES [kN]		MOMENTS [kNm]	
	F _{VERTICAL}	F _{HORIZONTAL}	M _{OVERTURNING}	M _{DECK}
DESIGN VALUES*	-6370	818	42061	-
OPERATIONAL VALUES	-5970	777	35126	4083

CRADLE FORCES

TRANSVERSE FORCE ON CRADLE: $F_H = 416,0$ kN
 VERTICAL FORCE ON CRADLE: $F_V = 604,0$ kN
 DISTANCE OF THE CRADLE: $L = 21,0$ m



* INCLUDING PEDESTAL FACTOR

MAXIMUM LOAD CAPACITY	SHIPBOARD [t]		OFFSHORE [t]	
	LOW LIFT	HIGH LIFT	LOW LIFT	HIGH LIFT
R0 = 6,3 m	150,0	100,0	150,0	100,0
R1 = 11,5 m	150,0	100,0	150,0	100,0
R2 = 15,0 m	150,0	100,0	100,0	
R3 = 19,0 m	110,0	80,0	70,0	
R4 = 27,0 m	55,0		47,5	
R5 = 35,0 m	30,0		25,0	
R6 _{max} = 36,0 m (Whip line)	20,0		20,0	

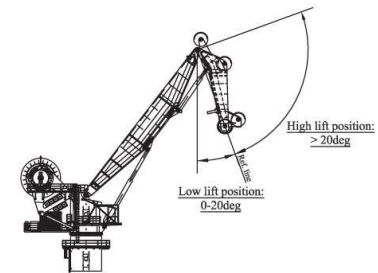
WIRE WEIGHTS	MAIN LINE [kg/m]	WHIP LINE [kg/m]
	Ø77 mm	Ø32 mm
DRY	28,8	4,96
IN SEA WATER	25,13	4,32

THIS LOAD CHART IS BASED ON THE FOLLOWING DOCUMENTS:		Rev.
DESCRIPTION:		
Reaction Force Report		0
Jibrest Force Report		0
General arrangement drawing		0
Working area diagram		0

Dimensions without tolerances tolerances to comply with: NS/ISO 2768/1 tolerance class "medium".	Made to comply with: GRADE B NS 470.
Rev. Description	Drawn Checked Date
0 ISSUED FOR APPROVAL	MHA PAJ 30.01.15

NOTES:

- THE PROVIDED LOAD CHARTS ARE BASED ON THEORETICAL INVESTIGATION. PRACTICAL RESPONSIBILITY FOR EACH LIFT REMAINS TO THE OPERATOR.
- LOAD CHARTS ARE VALID WHEN THE LOAD IS AIRBORNE. SEPARATE CALCULATIONS TO BE DONE WHEN LOAD IS ENTERING SEAWATER.
- LOAD CHARTS ARE VALID FOR SWL. SWL: THE SUSPENDED LOAD UNDER THE ROPE EXIT POINT. HOWEVER THE HOOK WEIGHT IS INCLUDED IN OUR CALCULATION AND NOT NEED TO BE CONSIDERED AS SUSPENDED LOAD. THE ALLOWABLE LIFTING WEIGHT SHALL BE CALCULATED BY SUBTRACTING THE WEIGHT OF THE PAID OUT WIRE FROM SWL.
- THE DDF (DESIGN DYNAMIC FACTOR) IS 1.33 FOR OFFSHORE LIFT AND DEPENDENT ON SWL FOR SHIPBOARD LIFT ACCORDING TO ABS.
- MAXIMUM OPERATING WIND SPEED: 25 m/s
- DESIGN INCLINATIONS FOR CALM SEA: 5/3 deg
- NO LOAD TO BE LIFTED WITH TENSION LOAD ACTING ON KNUCKLE JIB CYLINDERS
- THE PERSONNEL HANDLING CAPACITY IS 5T
- HIGH LIFT POSITION - KNUCKLE JIB MIN. 20 DEG RELATED TO THE VERTICAL (REFERENCE LINE IS FROM THE MJ CONNECTION TO THE WIRE SHEAVE CENTER)
- LOW LIFT POSITION - KNUCKLE JIB BETWEEN VERTICAL AND 20 DEG TO THE VERTICAL (REFERENCE LINE IS FROM THE MJ CONNECTION TO THE WIRE SHEAVE CENTER)
- EXCEPT FOR EMERGENCY OPERATIONS, THE OPERATIONAL LIMITATIONS FOR LIFTING OF PERSONNEL SHALL BE AS FOLLOWS:
 - MEAN WIND VELOCITY: 10m/s
 - SIGNIFICANT WAVE HEIGHT: 2m
 - VISIBILITY: DAYLIGHT OR EQUIVALENT



- KNUCKLE JIB IN LOW LIFT POSITION

Created by: Date: MHA/29.01.2015	Scale/format: N/A
LOAD-RADIUS DIAGRAM CALM SEA LIFT	Project no: SP2862-1 REV. 0

THIS IS A COMPUTER AIDED DRAWING AND MUST NOT BE ALTERED MANUALLY.