

Design and construction specification
for marine loading arms

Environmental data	
Ambient temperature:	(°C)
- Lowest temperature:	(°C)
- Highest temperature:	(°C)
Max. wind speed arms should be designed for:	(km/h)
Location of installation:	

Cargo data					
	1	2	3	4	5
Cargo(s)					
Density (Kg/m ³)					
Viscosity (cst)					
Operating temp. (°C)					
Design temp. (°C)					
Operating pres. (barg)					
Design pres. (barg)					
Flowrate max. (m ³ /h)					

Marine loading arm data					
	1	2	3	4	5
Nom. dia. (inch)					
Arm material					
Riser connection flange (+ pressure class)					
Ship's end connection (+pressure class)					
Operation (manual / hydraulic)					

Accessories			
	YES		NO
Vapour return line (piggyback)	<input type="checkbox"/> size: _____		<input type="checkbox"/>
Vacuum breaker	<input type="checkbox"/> size: _____		<input type="checkbox"/>
Riser drain connection	<input type="checkbox"/> size: _____		<input type="checkbox"/>
Triple swivel drain connection	<input type="checkbox"/> size: _____		<input type="checkbox"/>
Purge system	<input type="checkbox"/> size: _____		<input type="checkbox"/>
Quick connect/Disconnect coupler (QCDC)	<input type="checkbox"/> Manual / hydraulic		<input type="checkbox"/>
Safety ladders	<input type="checkbox"/>		<input type="checkbox"/>
Insulating flanges	<input type="checkbox"/>		<input type="checkbox"/>
Audio visual alarm over travel system	<input type="checkbox"/>		<input type="checkbox"/>
Emergency release coupler (ERC/PERC)	<input type="checkbox"/>		<input type="checkbox"/>
Radio remote control	<input type="checkbox"/>		<input type="checkbox"/>
Support jack at triple swivel assembly	<input type="checkbox"/>		<input type="checkbox"/>
Electric heating system	<input type="checkbox"/>		<input type="checkbox"/>
Thermic insulation	<input type="checkbox"/>		<input type="checkbox"/>

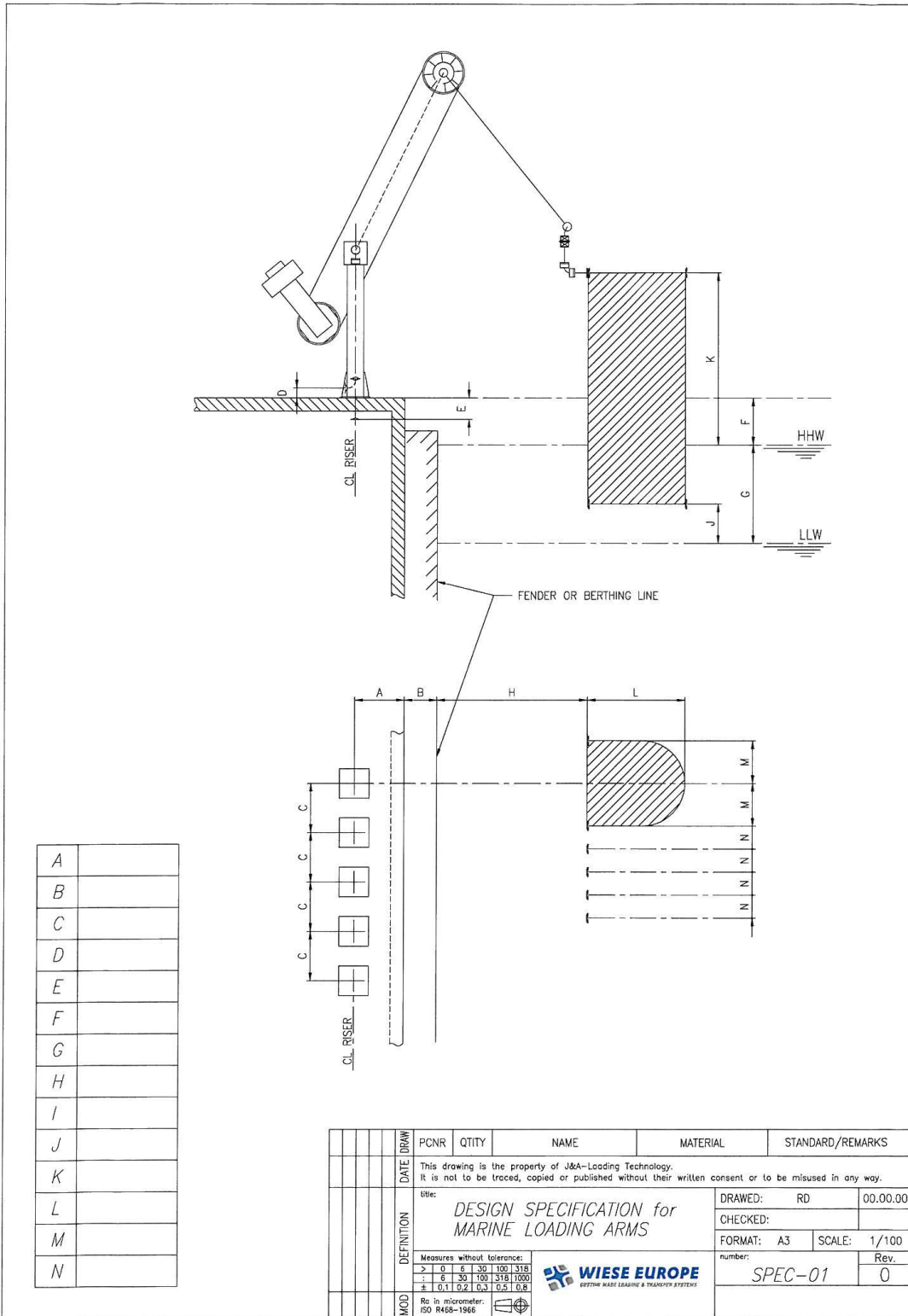
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Berth and tanker data		
A. Distance jetty face to center line of riser		m
B. Distance jetty face to berthing line (min/max)		m
C. Distance between center line of riser (min/max)		m
D. Dock to flange center line		m
E. Dock to flange face (below dock)		m
F. Dock to high water level		m
G. Difference between high and low water level		m
H. Distance of manifold flange to ship's side (min/max)		m
J. Low water level to ship's manifold (smallest full tanker)		m
K. High water level to ship's manifold		m
L. Sway		m
M. Fore / After surge		m
N. Flange center on tanker manifold (min/max)		m

Smallest and largest tanker date in DWT		DWT
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For more information please check the drawing on page 3.

Remarks
Please fill in here any remarks or comments you may have concerning you're enquiry:



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