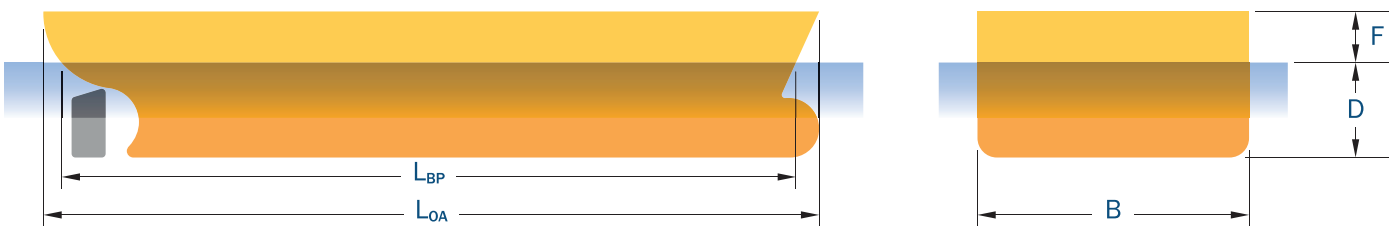





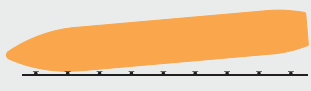




Marine Fender System Project Requirements

PROJECT DETAILS	PROJECT STATUS
Port	TMS Ref:
Project	<input type="checkbox"/> Preliminary
Designer	<input type="checkbox"/> Detail design
Contractor	<input type="checkbox"/> Tender



LARGEST VESSEL	SMALLEST VESSEL
Vessel type	Vessel type
Deadweight (t)	Deadweight (t)
Displacement (t)	Displacement (t)
Length overall (L_{OA}) (m)	Length overall (L_{OA}) (m)
Length between perps (L_{BP}) (m)	Length between perps (L_{BP}) (m)
Beam (B) (m)	Beam (B) (m)
Draft (D) (m)	Draft (D) (m)
Freeboard (F) (m)	Freeboard (F) (m)
Hull pressure (P) (t/m^2)	Hull pressure (P) (t/m^2)
Berthing energy (tm)	Berthing energy (tm)

BERTH DETAILS	
<input type="checkbox"/> Closed structure	<input type="checkbox"/> Semi-open structure
<input type="checkbox"/> Open structure	<input type="checkbox"/> Other (please describe)
	
	
Structure	Tide levels
Length of berth (m)	Tidal range (m)
Fender / dolphin spacing (m)	Highest astronomic tide (HAT) (m)
Permitted fender reaction (kN or kN/m)	Mean high water spring (MHWS) (m)
Quay level (m)	Mean sea level (MSL) (m)
Cope thickness (m)	Mean low water spring (MLWS) (m)
Seabed level (m)	Lowest astronomic tide (LAT) (m)

BERTHING MODE	
<input type="checkbox"/> Side berthing	
<input type="checkbox"/> Dolphin berthing	
<input type="checkbox"/> End berthing	
<input type="checkbox"/> Lock or dock entrance	
<input type="checkbox"/> Ship-to-ship berthing	

BERTHING APPROACH: *1
Approach conditions
<input type="checkbox"/> good berthing, sheltered (i.e. not exposed to waves and/or current)
<input type="checkbox"/> difficult berthing, sheltered
<input type="checkbox"/> good berthing, exposed
<input type="checkbox"/> difficult berthing, exposed
<input type="checkbox"/> adverse berthing, exposed

BERTHING APPROACH: *2
Approach conditions
<input type="checkbox"/> good berthing, sheltered
<input type="checkbox"/> difficult berthing, sheltered
<input type="checkbox"/> easy berthing, exposed
<input type="checkbox"/> good berthing, exposed
<input type="checkbox"/> navigation difficult, exposed

*1: BS6349-4:2014
*2: PIANC/MARCOM REPORT OF WG33 2002

LARGEST SHIP	
<input type="checkbox"/> Berthing speed	(m/s)
<input type="checkbox"/> Berthing angle	(deg)
<input type="checkbox"/> Abnormal impact factor	

SMALLEST SHIP	
<input type="checkbox"/> Berthing speed	(m/s)
<input type="checkbox"/> Berthing angle	(deg)
<input type="checkbox"/> Abnormal impact factor	

ENVIRONMENT	
Operating temperature	
Minimum	(°C)
Maximum	(°C)
Corrosivity	
<input type="checkbox"/> low <input type="checkbox"/> medium <input type="checkbox"/> high <input type="checkbox"/> extreme	

BERTHING ECCENTRICITY
<input type="checkbox"/> 1/4 point <input type="checkbox"/> 1/3 point <input type="checkbox"/> Other, please specify:

BELTING DETAILS

OTHER INFORMATION

FURTHER DETAILS AVAILABLE FROM	
Name	Tel
Company	Fax
Position	Mobile
Address	Email
	Web

You may send in your project requirements to: marine_infra@trelleborg.com