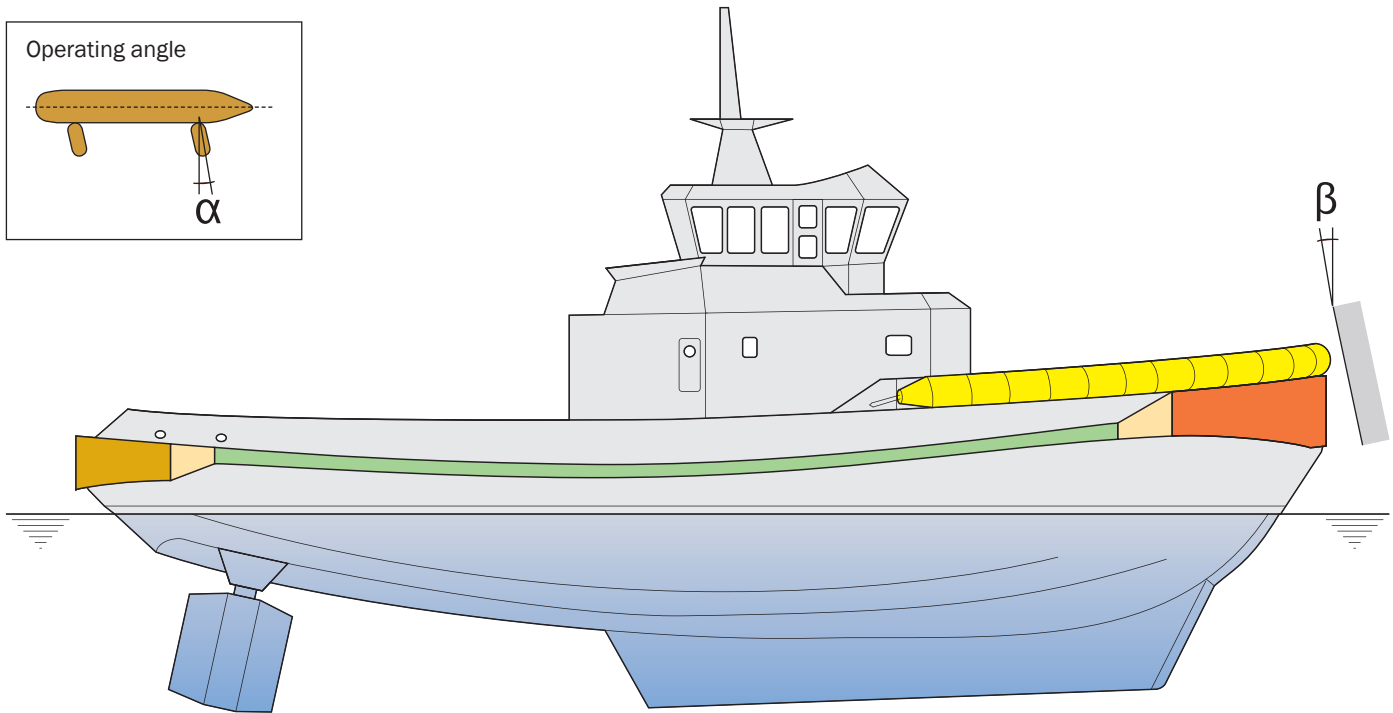
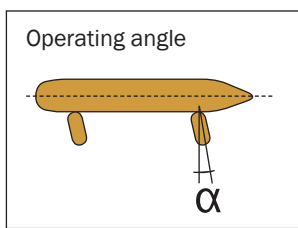



# Tug Fender Project Requirements




For assistance with design or pricing of tug fenders, please complete this form and fax or email it to your local Trelleborg Marine Systems office, together with legible drawings if possible.

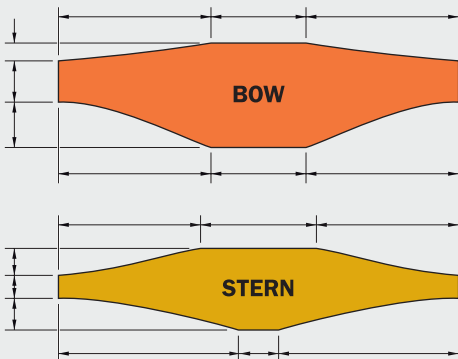
VESSEL		
Name or yard number:	Overall length _____ m	Length at waterline _____ m
Beam (moulded) _____ m	Depth (moulded) _____ m	Draft (max) _____ m
Displacement _____ t	Bollard pull: _____	Pushing hull pressure _____ t/m <sup>2</sup>
Operating angle ( $\alpha$ ) _____ degrees		Flare angle ( $\beta$ ) _____ degrees



CYLINDRICAL FENDER		
		
Bow <input type="checkbox"/> Stern <input type="checkbox"/>		
Inside diameter _____ mm	Outside diameter _____ mm	Length _____ m
Joints allowed: <input type="checkbox"/> yes <input type="checkbox"/> no	Tapered ends: <input type="checkbox"/> yes <input type="checkbox"/> no	
Longitudinal chain: <input type="checkbox"/> yes <input type="checkbox"/> no	Circumferential fixings: <input type="checkbox"/> chain <input type="checkbox"/> web <input type="checkbox"/> not required	
Groove width: _____ mm	Groove depth: _____ mm	

### PUSHING FENDERS

	Bow	Stern
<b>M-Type</b> 	<input type="checkbox"/>	<input type="checkbox"/>
<b>W-Type</b> 	<input type="checkbox"/>	<input type="checkbox"/>
<b>Keyhole</b> 	<input type="checkbox"/>	<input type="checkbox"/>
<b>Section Size (mm)</b>		




### SIDE BELTINGS

 
 
 
 
 
 
 
(tick required section)

**Cross-section size (width)** \_\_\_\_\_ mm      **Approx. length** \_\_\_\_\_ mm (total port and starboard)  
**(height)** \_\_\_\_\_ mm

**Joints allowed**  yes  no      **Plugged joints**  yes  no

**Transition blocks**       **Bow:**  yes  no      **Stern**  yes  no

### DRAWINGS

**Full drawings available**  yes  no

#### OPERATIONAL ENVIRONMENT

- General
- Oil & Gas
- Mining / Bulk

#### OPERATIONAL CONSIDERATIONS

- Low Reaction Force
- High Abrasion Considerations

### FURTHER DETAILS AVAILABLE FROM

<b>Name</b>	<b>Tel</b>
<b>Company</b>	<b>Fax</b>
<b>Position</b>	<b>Mobile</b>
<b>Address</b>	<b>Email</b>
	<b>Web</b>

You may send in your project requirements to: [marine\\_infra@trelleborg.com](mailto:marine_infra@trelleborg.com)