

SPECIAL MANOEUVRE



LOW VISIBILITY : If sight is below 200m, safety matter may delay the manoeuver.

EMERGENCY MANOEUVRE



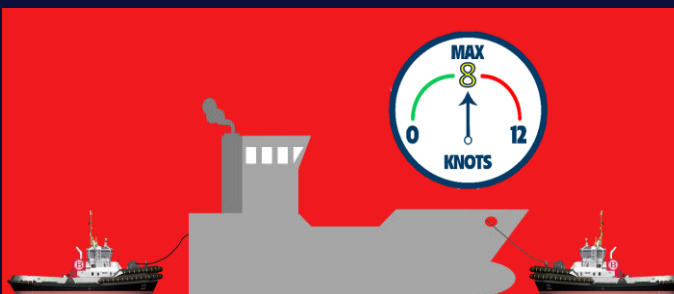
Please specify the emergency clearly on the VHF orders, for example :

"Aft tug : pull emergency full astern"



BOLUDA LE HAVRE
Route du Môle Central - BP 1351
76065 LE HAVRE CEDEX
Tél : 02.32.72.00.30

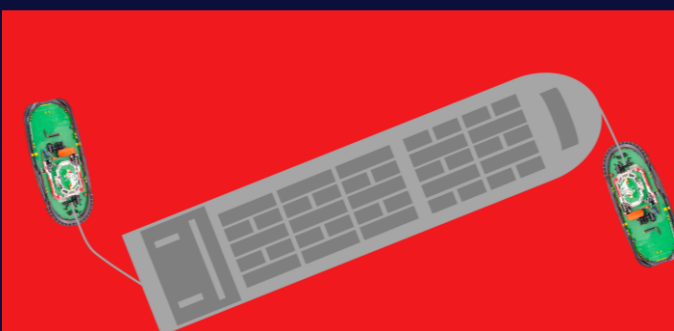
MANOEUVRE SPEED WITH A TUG MADE FAST



**MAX TRANSIT SPEED :
8 KNOTS**

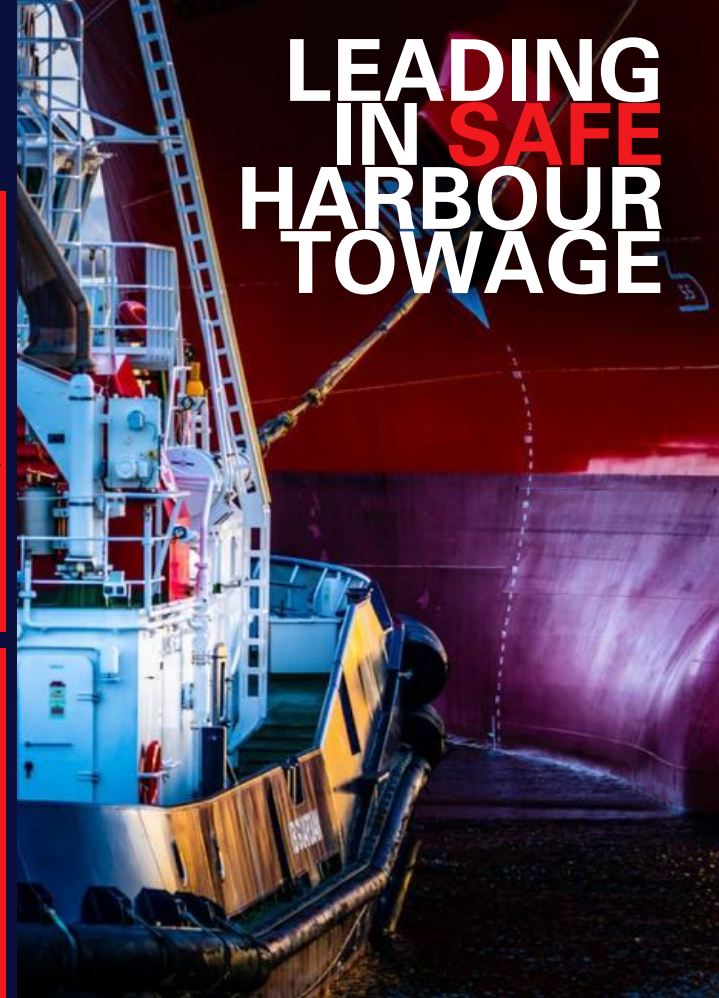


**MAX SPEED FOR PULLING
ASTERN AFT : 6 KNOTS**



**MAX SPEED FOR SWINGING :
3 KNOTS**

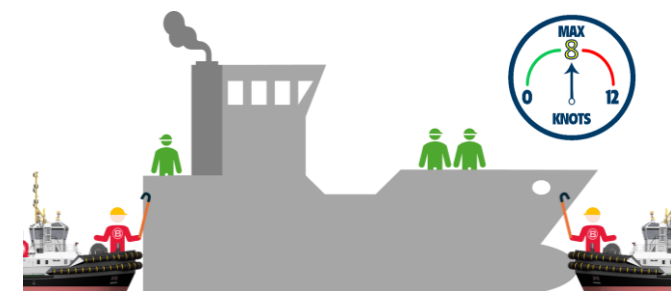
LEADING IN **SAFE** HARBOUR TOWAGE



INSTRUCTIONS FOR WORKING SAFELY WITH TUGS



1. APPROACH FWD & AFT



FWD : Stand ready with heaving line and visible to tug. Await order from Pilot. Maximum speed 8 knots through water.

AFT : Maximum speed 8 knots through water, exceptionally 9.5 knots for large vessels in windy conditions.

Do not alter course and speed.

2. PUSH - PULL

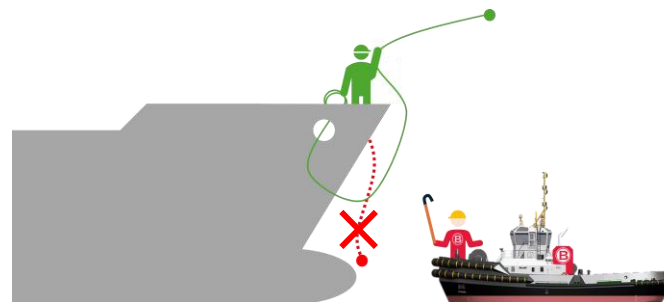


Maximum speed 6 knots through water.

Use powerful capstan or winch.

Tug's line cannot be safely lifted by hand!

3. HEAVING LINE



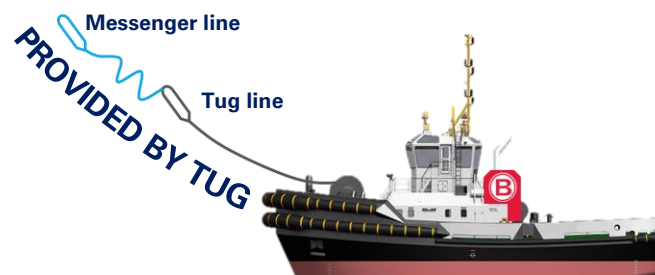
0.5 kg / 1 lb max



8 mm max

Ship's crew should only send an 8 mm max light heaving line together with a 'monkey fist' made of soft material which weighs less than 0.5 kg max (1 lb max).

4. TUG TOWING LINE



Tugboat provides the towing line and messenger line.

No thick line or messenger line should be sent from ship to tug, but only heaving line

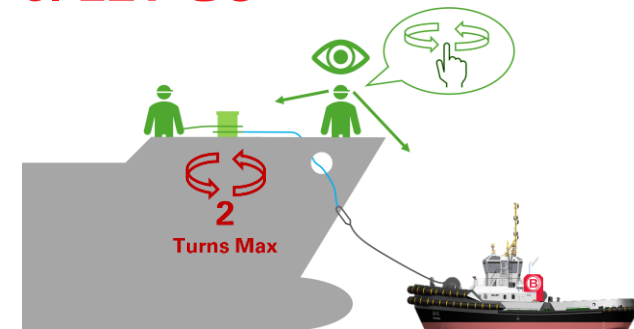
5. MAKE FAST & KEEP CONSTANT WATCH



Crew confirms to tug master the towing line has been made fast by clear hand signal.

Once made fast, crew stays hands clear of the tug line ; crew keeps clear of snap back area and maintain a visual contact with tug at all time during manoeuvre.

6. LET GO



Crew confirms the tug can pick up towing line by clear hand signal.

Crew turns messenger line (**2 turns max**) on a bitt to let go slowly the tug's line.

Do not alter course and speed.

THROWING DANGEROUSLY WEIGHTED HEAVING LINE CAN LEAD TO INJURY AND CRIMINAL PROSECUTION.



TUG LINE DETAILS

