

## 16.17 Tug commands and indicated responses.

In order to standardise tug voice communications the following terms should be used:

ORDER	MEANING	Bollard Pull (tons) 28 10	
Push up...	Tug will push against the hull with the indicated power. All request to push up are preceded by "Push up..."	Values are indicative only	
No Weight	Tug remains ready to push. No additional force is applied to the ship		0
Lean on	Pods at 5 deg Approx 650 RPM		1
Minimum	Pods at 45 deg 650 RPM		3
Bare Weight	Pods in line Tug pushing against hull 650 RPM		9
Quarter Power	Pods in line Tug pushing against hull 850 RPM		16
Half Power	Pods in line Tug pushing against hull 1150 RPM		30
Three Quarter Power	Pods in line Tug pushing against hull 1400 RPM		47
Full Power	Pods in line Tug pushing against hull 1600 RPM		58
Lift off	Tug will pull back on his line in a direction indicated with the power indicated. Tug's line is a bow line (line over bow). All request to pull back are preceded by "Lift off"	Values are indicative only	
No weight	Line is slack with tug away from ship's side. No additional force is applied		0
Take the weight	Pods at 5 deg Approx 650 RPM		1
Minimum	Pods at 45 deg 650 RPM		3
Bare Weight	Pods in line Tug pulling on line 650 RPM		9
Quarter Power	Pods in line Tug pulling on line 850 RPM		14
Half Power	Pods in line Tug pulling on line 1150 RPM		27
Three Quarter Power	Pods in line Tug pulling on line 1400 RPM		43
Full Power	Pods in line Tug pulling on line 1600 RPM		52
In bound or out bound	Ship is underway in the channel or harbour		
Stop	Tug reduces power to that necessary to maintain station, no weight on ship		
Tug weight	Pods in the hover position Tug is being pulled through the water		
Square up	Tug rotates to a position nominal to the ship's side pushing or pulling at the same force as the last command. Position 90 degrees to the ship' C/Line.		
Forward	All commands for the forward tug are preceded by "Forward"		
Aft	All commands for the aft tug are preceded by "Aft"		