

**KEPPEL FELS SHIPYARD (PIONEER YARD & CRESCENT YARD) - YF
[FORMERLY KNOWN AS FELS PIONEER and CRESCENT SHIPYARD]**

BERTH	DEPTH A/S (m)	APPROACH DEPTH (m)	LENGTH OF BERTH(m)	REMARKS
(YFQ1) FELS Quay 1	7.6	7.4	200	Shallower depths exist eastwards of the berth
(YFQ2) FELS Quay 2	8.7	9.1	265	
(YFQ3) FELS Quay 3	5.0	7.4	135	
(YFQ4) FELS Quay 4	5.6	5.9	219	See General Information
(YFQ5) FELS Quay 5	4.3	5.9	219	See General Information
(YFQ6) FELS Quay 6	3.1	4.7		For Barges Only
(YFQ7) FELS Quay 7	3.1	4.7		For Barges Only
(YFQ8) FELS Quay 8	3.1	4.7		For Barges Only
(YFADK) Admiral Dock		7.2	380	
YFFP1 FELS Finger Pier 1	7.8	9.1	150	
YFFP2 FELS Finger Pier 2	7.9	8.1	150	
YFFP3 FELS Finger Pier 3	7.7	7.4	150	
YFFP4 FELS Finger Pier 4	7.3	7.2	150	

GENERAL INFORMATION

1. Berths located in slack water.
2. FELS Quay 4 and FELS Quay 5 (which are the former Jurong Marine Base Berths) are located directly opposite Mobil Terminal berths 9 and Berths 3 respectively. These berths are meant for the mooring of oil rigs. See Pilotage guidelines below.
3. FELS Quay 6, 7 and 8 are located at the entrance of Benoi Basin with Quay 6 being the outer and Quay 8 being the innermost berth. These berths are meant for barges only.

4. Walkie- talkie pilot/ terminal operating channel - 03
5. No night movement is to be carried out unless permission is obtained from MPA

PILOTAGE GUIDELINES

A. FELS Pioneer Yard

1. BERTHING/UNBERTHING/ DOCKING /UNDOCKING (DAY)

No restriction

2. BERTHING/UNBERTHING /DOCKING/UNDOCKING (NIGHT MOVEMENTS - SUBJECT TO MPA'S APPROVAL)

(a) FELS QUAY NO.1 and 2, FELS FINGER PIER 1 and 2

LOA \leq 230m

No restriction

LOA $>$ 230m

No berthing/unberthing

(b) FELS QUAY NO. 3, FELS FINGER PIER 3 and 4

LOA \leq 122m

No restriction

LOA $>$ 122m

No berthing/unberthing

(c) ADMIRAL DOCK

LOA \leq 230m

No restriction

LOA $>$ 230m

No docking/undocking

B. FELS Crescent Yard

1. BERTHING/UNBERTHING (DAY)

(a) FELS QUAY NO.4

No restriction

(b) FELS QUAY NO. 5

No berthing/unberthing if Quay 4 is occupied by another rig or any vessel.

(c) FELS QUAY NO 6, 7 and 8

No restriction

2. BERTHING/UNBERTHING (NIGHT)

No night movement allowed

TUG GUIDELINES

TUG REQUIREMENT FOR SHIPYARD MOVEMENTS

1. The table provides for the number of tugs to be assigned to a vessel when berthing/unberthing or shifting at the shipyard.
2. For vessels proceeding to a Floating Dock or Graving Dock, the shipyard may assign an additional tug.
3. For jack-up oil rigs, 3 suitable big tugs are recommended and for semi-submersibles 4 suitable big tugs are recommended.
4. The pilot may in consultation with the master, cancel or order additional tugs if necessary. For vessels equipped with a suitable thruster in good working condition, one tug at that position may be dispensed with.
5. The shipyard may arrange its own tugs for the movement. Please consult the respective shipyard for advice when ordering tugs.

LENGTH OVERALL OF VESSEL	NUMBER OF TUGS FOR VESSELS WITH ENGINES	NUMBER OF TUGS FOR VESSELS UNDER TOW
Up to 60 metres LOA	1 small tug	2 small tugs
61 to 100 metres LOA	2 small tugs	3 small tugs
101 to 130 metres LOA	1 small and 1 medium tug	2 small and 1 medium
131 to 150 metres LOA	2 medium tugs	1 small and 2 medium tugs
151 to 180 metres LOA	2 medium tugs	3 medium tugs
181 to 200 metres LOA	1 medium and 1 big tug	3 medium tugs
201 to 260 metres LOA	1 medium and 2 big tugs	2 medium and 2 big tugs
More 260 metres LOA	3 big tugs	2 medium and 3 big tugs

Revised: 7 May 2014