

# KAUST 1





Mooring # 1207

Base with (2) Microcats – sensors 0.7 m below deck and Backup ARGOS Transmitter

Modular Foam Buoy with (2) ASIMET Systems Measuring: BPR, HRH, WND, SWR, LWR, PRC, IRIIDIUM TELEMETRY, STAND ALONE PTT

5 meter compliant section with universal and 8 conductors on coil cord for telemetry

Bottom flange to accept acoustic modem, inductive pickup, and threaded swage for 7/16" wire

-  SBE-37 – TEMP/COND
-  XR 420 – TEMP/COND
-  TR 1060 – TEMP
-  SBE-39 – TEMP

HARDWARE DESIGNATION	
(B)	3/4" Anchor Shackle, 7/8" EndLink, 5/8" Anchor Shackle
(C)	3/4" Chain Shackle, 7/8" EndLink, 3/4" Chain Shackle
(D)	3/4" Chain Shackle, 3/4" Anchor Shackle
(E)	3/4" Anchor Shackle, 7/8" EndLink, 3/4" Anchor Shackle
(G)	5/8" Chain Shackle, 7/8" EndLink, 5/8" Chain Shackle
(H)	5/8" Chain Shackle, 7/8" EndLink, 7/8" Anchor Shackle
(I)	1-1/4" Master Link, (1) 5/8" Ch Sh. (1) 7/8" End Link, (1) 7/8" Anc Sh

HARDWARE REQUIRED (Includes approx. 20% Spares)	
(2)	1" Chain Shackles
(2)	1.25" Master Link
(4)	7/8" Anchor Shackles
(3)	7/8" Chain Shackles
(22)	7/8" Weldless Links
(4)	3/4" Chain Shackles
(4)	3/4" Anchor Shackles
(15)	5/8" Chain Shackles

Dualed Acoustic Release EGG Model 8242  
1 Meter Chain with release links

SCOPE = 0.95  
Water Depth = 695m

FLANGED SPACER – RBR C/T on Spacer??  
UNIVERSAL JOINT

TR 1060 IN HULL  
DEPTH 2 m  
3 m  
4 m  
5 m RBR C/T

INDUCTIVE SBE 39 8 m  
INDUCTIVE SBE 37 10 m  
INDUCTIVE SBE 37 12.5 m  
INDUCTIVE SBE 37 15 m  
INDUCTIVE SBE 39 25 m  
INDUCTIVE SBE 39 30 m  
INDUCTIVE SBE 39 40 m

FLANGED SPACER 7.5 m BELL MOUTH – ACOUSTIC MODEM

37 m – 7/16" jacketed wire rope threaded swage stud at top.

600 kHz ADCP (Upward Looking)  
Acoustic Modem

85 m – 7/16" jacketed wire rope

PRESSURE

300 kHz ADCP (Upward Looking)

103 m – 7/16" jacketed wire rope

300 kHz ADCP (Upward Looking)

113 m – 7/16" jacketed wire rope

VMCM

80 m – 7/16" jacketed wire rope mark from top @ 47 m, mark "400 m"

3x 40 m – 7/16" jacketed wire rope mark from top @ 16.5 m, mark "450 m"  
3 x 20 m – 7/16" jacketed wire rope

VMCM

coupling 2 m 1/2" Trawler Chain  
15.19 m stretch hose (stretched to 16.80 m)  
coupling with TR 1060  
15.19 m stretch hose (stretched to 16.80 m)  
15.19 m stretch hose (stretched to 16.80 m)  
coupling with XR 420  
15.19 m stretch hose (stretched to 16.80 m)  
15.19 m stretch hose (stretched to 16.80 m)

coupling 8 – 17" glass balls on 1/2" chain

VMCM and SBE 37

2 m 1/2" Trawler Chain  
5 m 1/2" Trawler Chain

5 m 1/2" Trawler Chain  
10 m 1" Samson Nystron  
5 m 1/2" Trawler Chain

Anchor Wet Wt. 5000 lbs

37 m - 7/16" wr  
Mark from top  
0.9 m mark - 7.5 m  
3.4 m mark - 10 m  
5.9 m mark - 12.5 m  
8.4 m mark - 15 m  
13.4 m mark - 20 m  
18.4 m mark - 25 m  
23.4 m mark - 30 m  
33.4 m mark - 40 m

85 m - 7/16" wr  
Mark from top  
4.5 m mark - 50 m  
14.5 m mark - 60 m  
24.5 m mark - 70 m  
34.5 m mark - 80 m  
44.5 m mark - 90 m  
54.5 m mark - 100 m  
74.5 m mark - 120 m

103 m - 7/16" wr  
Mark from top  
7.5 m mark - 140 m  
27.5 m mark - 160 m  
47.5 m mark - 180 m  
67.5 m mark - 200 m

113 m - 7/16" wr  
Mark from top  
12.5 m mark - 250 m  
62.5 m mark - 300 m

## KAUST MOORING AS DEPLOYED- 10/11/2008

Jeff Lord  
August 7, 2008