

# Moring Design and Dynamics 2023 2/15 23: 9:53

#	In-Line Moring Element	Length [m]	Buoy [kg]	Height [m] (top)	dZ [m]	dX [m]	dY [m]	Tension [kg] Top Bottom	Angle [deg] Top Bottom
1	37in ORE	0.94	300.00	95.04					
2	1/2 shackle	0.08	-0.30	94.10					
3	3/8 wire rope	80.00	-0.33	94.02					
4	1/2 shac+3/8shac	0.12	-0.42	14.02					
5	Trpl 16 in Viny	1.50	56.00	13.90					
6	1/2 shac+3/8shac	0.12	-0.42	12.40					
7	Aanderaa RCM-7	0.55	-18.30	12.28					
8	1/2 shackle	0.08	-0.30	11.74					
9	3/8 wire rope	5.00	-0.33	11.65					
10	1/2 shackle	0.08	-0.30	6.65					
11	1/2 swivel	0.14	-0.65	6.57					
12	1/2 shackle	0.08	-0.30	6.43					
13	EG&G 8242	0.94	-28.00	6.35					
14	5/8 shackle	0.07	-0.65	5.42					
15	1 chain SL	5.00	-13.00	5.35					
16	2 Railway Wheels	0.35	915.00	0.35					

Tally of all In-Line mooring/tow components by type.

#	Element Name	Total Number / Length
1	37in ORE	1
2	1/2 shackle	4
3	3/8 wire rope	85 m
4	1/2 shac+3/8shac	2
5	Trpl 16 in Viny	1
6	Aanderaa RCM-7	1
7	1/2 swivel	1
8	EG&G 8242	1
9	5/8 shackle	1
10	1 chain SL	5 m
11	2 Railway Wheels	1