Mooring Design and Dynamics 2023 2/16 0:45:30

In-Line # Mooring Element	Lengt h[m]	Buoy[kg]	Hei ght [m] (mi ddl e)	dZ[m]	dX[m]	dY[m]	Tensi on[kg] Top Bottom	Angl e[deg] Top Bottom
1 37in ORE 2 1/2 shackle 3 3/8 wire rope 4 1/2 shac+3/8shac	0. 94 0. 08 80. 03 0. 12 1. 50	300.00 - 0.30 - 0.33 - 0.42 56.00	88. 59 88. 08 12. 67 11. 93	6. 0 6. 0 1. 3 1. 2	32. 4 32. 3 5. 8 5. 4	0. 0 0. 0 0. 0	0. 0 306. 1 306. 1 305. 8 305. 8 281. 0 281. 0 280. 7	5. 7 11. 5 11. 5 11. 5 11. 5 24. 5 24. 5 24. 6 24. 6 21. 1
5 Trpl 16 in Viny 6 1/2 shac+3/8shac 7 Aanderaa RCM 7 8 1/2 shackle 9 3/8 wire rope		- 0. 42	11. 93 11. 19 10. 88 10. 59	1. 2 1. 2 1. 1 1. 1	5. 4 5. 1 5. 0 4. 9	0. 0 0. 0 0. 0 0. 0	280. 7 333. 6 333. 6 333. 2 333. 2 316. 3 316. 3 316. 0 316. 0 314. 5	24. 6 21. 1 21. 1 21. 1 21. 1 22. 6 22. 6 22. 6 22. 6 22. 9
10 1/2 shackle 11 1/2 swivel 12 1/2 shackle 13 EG&G 8242 14 5/8 shackle	0. 08 0. 14 0. 08 0. 94 0. 07	- 0. 65	5. 90 5. 80 5. 70 5. 23 4. 77	0. 7 0. 7 0. 7 0. 7 0. 6	2. 9 2. 8 2. 8 2. 6 2. 4	0. 0 0. 0 0. 0 0. 0 0. 0	314. 5 314. 2 314. 2 313. 6 313. 6 313. 3 313. 3 287. 8 287. 8 287. 2	22. 9 22. 9 22. 9 23. 0 23. 0 23. 0 23. 0 25. 3 25. 3 25. 4
15 1 chain SL 16 2 Railway Wheels	5. 00 0. 35	- 13. 00 915. 00	0. 17	0.0	0.0	0.0	287. 2 230. 2 230. 2	25. 4 32. 3 32. 3

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Tally of all In-Line mooring/tow components by type.
# Element Name Total Number/Length

1 37in ORE 1
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1 37i n ORE 1
2 1/2 shackle 4
3 3/8 w re rope 85 m
4 1/2 shac+3/8shac 2
5 Trpl 16 in Viny 1
6 Aanderaa RCM 7 1
7 1/2 sw vel 1
8 EG&G 8242 1
9 5/8 shackle 1
10 1 chain SL 5 m
11 2 Rail way Wheels 1