## Mooring Design and Dynamics 2023 2/16 1: 2:47

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 Bot t om
1 37i n ORE 2 1/2 shackl e 3 3/8 wire rope 4 1/2 shac+3/8shac 5 Trpl 16 in Viny 6 1/2 shac+3/8shac 7 Aanderaa RCM 7 8 1/2 shackl e 9 3/8 wire rope 10 1/2 shackl e 11 1/2 swivel 12 1/2 shackl e 13 EG&G 8242 14 5/8 shackl	1.50 0.12 0.55 0.08 5.00 0.08 0.14 0.08 0.94	300. 00 - 0. 30 - 0. 33 - 0. 42 56. 00 - 0. 42 - 18. 30 - 0. 30 - 0. 33 - 0. 65 - 0. 30 - 0. 65 - 0. 65	88. 59 88. 08 12. 67 11. 93 10. 88 10. 59 5. 90 5. 80 5. 70 5. 23 4. 77	6. 0 6. 0 1. 3 1. 2 1. 1 1. 1 0. 7 0. 7 0. 7 0. 7 0. 7	32. 4 32. 3 5. 8 5. 1 5. 1 9 2. 8 2. 8 2. 6 2. 4	0. 0 0. 0 0. 0 0. 0 0. 0 0. 0 0. 0 0. 0	0.0 306.1 306.1 305.8 305.8 281.0 281.0 280.7 280.7 333.6 333.6 333.2 333.2 316.3 316.3 316.0 316.0 314.5 314.5 314.2 314.2 313.6 313.6 313.3 287.8 287.2	5. 7 11. 5 11. 5 24. 5 24. 5 24. 6 24. 6 21. 1 21. 1 21. 1 21. 1 22. 6 22. 6 22. 6 22. 6 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
4
85 m
2
1
1
1
1
1
           37i n ORE
1/2 shackle
3/8 wire rope
1/2 shac+3/8shac
Trpl 16 in Viny
Aanderaa RCM 7
1/2 swivel
EG&G 8242
5/8 shackle
1 chain SL
2 Rail way Wheels
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5 m