



PILOTAGE DUES SEA AND RIVER

DEN HELDER

Draught in decimetres	SEA	RIVER								
	in or out	<8 miles	8-11 miles	12-17 miles	18-25 miles	26-35 miles	36-47 miles	48-61 miles	> 62 *	
Column:	2	3	4	5	6	7	8	9	10	
25 dm	165	53	58	72	81	90	102	109	53	
26 dm	175	54	66	75	83	95	103	118	54	
27 dm	183	56	67	79	89	102	109	120	56	
28 dm	193	58	72	83	94	103	118	128	58	
29 dm	202	62	74	87	97	109	120	132	62	
30 dm	214	66	79	90	102	114	128	138	66	
31 dm	219	67	81	94	103	118	130	144	67	
32 dm	231	72	83	97	109	128	137	153	72	
33 dm	239	74	87	102	114	129	144	156	74	
34 dm	248	74	90	103	118	131	151	167	74	
35 dm	257	75	94	105	126	137	154	169	75	
36 dm	267	82	97	114	129	145	159	176	82	
37 dm	281	87	102	118	136	153	169	187	87	
38 dm	292	90	105	128	144	159	176	196	90	
39 dm	308	94	109	129	145	169	187	201	94	
40 dm	323	97	117	136	154	174	193	212	97	
41 dm	339	100	123	139	161	183	201	222	100	
42 dm	361	105	129	151	170	194	216	238	105	
43 dm	384	115	137	157	183	208	227	254	115	
44 dm	404	123	143	168	194	217	242	261	123	
45 dm	427	126	152	180	201	227	254	280	126	
46 dm	457	137	167	193	222	245	274	300	137	
47 dm	489	147	176	208	235	261	292	324	147	
48 dm	524	156	188	222	252	281	313	346	156	
49 dm	558	167	198	232	261	299	332	364	167	
50 dm	591	176	211	245	280	316	350	387	176	
51 dm	629	188	223	261	299	338	375	411	188	
52 dm	673	201	241	280	323	357	399	442	201	
53 dm	717	216	254	298	342	386	428	470	216	
54 dm	757	226	273	317	361	406	453	499	226	
55 dm	801	241	286	333	382	429	480	525	241	
56 dm	853	254	305	355	406	454	506	560	254	
57 dm	903	271	324	375	429	484	538	594	271	
58 dm	955	286	342	398	453	511	567	624	286	
59 dm	1.001	299	357	418	480	538	600	656	299	
60 dm	1.056	313	375	440	500	565	626	693	313	
61 dm	1.106	331	393	461	526	594	656	724	331	
62 dm	1.155	343	411	482	552	621	687	758	343	
63 dm	1.208	357	429	502	573	646	717	791	357	
64 dm	1.254	375	447	522	600	676	748	823	375	
65 dm	1.309	387	465	541	622	700	778	856	387	
66 dm	1.356	404	484	565	646	726	807	890	404	
67 dm	1.408	421	502	587	671	757	839	920	421	
68 dm	1.459	436	520	606	695	782	866	955	436	
69 dm	1.508	453	538	626	717	807	895	986	453	
70 dm	1.560	464	558	651	741	835	930	1.019	464	
71 dm	1.579	466	559	652	741	839	930	1.025	466	



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Column:	2	3	4	5	6	7	8	9	10
72 dm	1.633	482	578	673	767	869	962	1.056	482
73 dm	1.681	495	594	695	792	889	991	1.089	495
74 dm	1.732	511	615	713	816	920	1.019	1.123	511
75 dm	1.786	525	631	736	841	948	1.050	1.157	525
76 dm	1.835	541	648	757	869	975	1.085	1.192	541
77 dm	1.889	557	662	780	886	999	1.108	1.222	557
78 dm	1.938	573	687	798	913	1.025	1.143	1.255	573
79 dm	1.990	587	701	818	937	1.055	1.173	1.287	587
80 dm	2.043	602	721	842	962	1.085	1.202	1.322	602
81 dm	2.081	605	724	842	968	1.089	1.209	1.327	605
82 dm	2.135	623	742	870	992	1.113	1.239	1.362	623
83 dm	2.185	631	761	886	1.014	1.137	1.267	1.392	631
84 dm	2.234	646	778	909	1.041	1.168	1.298	1.427	646
85 dm	2.285	665	797	930	1.064	1.194	1.326	1.463	665
86 dm	2.339	683	818	950	1.088	1.224	1.356	1.494	683
87 dm	2.387	695	830	971	1.108	1.246	1.386	1.523	695
88 dm	2.439	710	850	992	1.132	1.279	1.415	1.559	710
89 dm	2.492	722	870	1.014	1.155	1.299	1.446	1.592	722
90 dm	2.542	741	885	1.033	1.177	1.326	1.475	1.622	741
91 dm	2.578	748	896	1.047	1.196	1.344	1.496	1.648	748
92 dm	2.632	762	914	1.068	1.221	1.373	1.526	1.678	762
93 dm	2.680	777	935	1.089	1.244	1.399	1.558	1.709	777
94 dm	2.732	795	952	1.108	1.268	1.427	1.583	1.740	795
95 dm	2.782	808	968	1.129	1.287	1.454	1.612	1.777	808
96 dm	2.832	821	985	1.150	1.312	1.479	1.643	1.808	821
97 dm	2.884	836	999	1.170	1.338	1.505	1.672	1.839	836
98 dm	2.937	851	1.022	1.192	1.360	1.534	1.701	1.873	851
99 dm	2.988	866	1.038	1.209	1.386	1.559	1.730	1.904	866
100 dm	3.037	881	1.058	1.233	1.406	1.583	1.758	1.937	881
101 dm	3.071	881	1.060	1.234	1.415	1.587	1.765	1.938	881
102 dm	3.123	898	1.077	1.253	1.437	1.615	1.794	1.974	898
103 dm	3.172	913	1.092	1.278	1.458	1.642	1.824	2.007	913
104 dm	3.221	925	1.112	1.294	1.482	1.665	1.851	2.041	925
105 dm	3.277	938	1.127	1.317	1.504	1.693	1.878	2.069	938
106 dm	3.323	955	1.145	1.340	1.527	1.721	1.912	2.102	955
107 dm	3.372	971	1.162	1.356	1.552	1.746	1.937	2.131	971
108 dm	3.380	995	1.193	1.392	1.611	1.808	2.004	2.208	1.006
109 dm	3.380	995	1.193	1.392	1.611	1.808	2.004	2.208	1.006
110 dm	3.380	995	1.193	1.392	1.611	1.808	2.004	2.208	1.006
111 dm	3.380	995	1.193	1.392	1.611	1.808	2.004	2.208	1.006
112 dm	3.380	995	1.193	1.392	1.611	1.808	2.004	2.208	1.006
113 dm	3.380	995	1.193	1.392	1.611	1.808	2.004	2.208	1.006
114 dm	3.380	995	1.193	1.392	1.611	1.808	2.004	2.208	1.006
115 dm	3.380	995	1.193	1.392	1.611	1.808	2.004	2.208	1.006
116 dm	3.380	995	1.193	1.392	1.611	1.808	2.004	2.208	1.006
117 dm	3.456	1.038	1.245	1.453	1.660	1.867	2.073	2.283	1.038
118 dm	3.504	1.055	1.262	1.473	1.681	1.890	2.102	2.315	1.055



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Column:	2	3	4	5	6	7	8	9	10	
119 dm	3.546	1.067	1.278	1.490	1.701	1.914	2.130	2.340	1.067	
120 dm	3.592	1.079	1.295	1.510	1.723	1.938	2.156	2.371	1.079	
121 dm	3.635	1.091	1.309	1.526	1.746	1.964	2.182	2.400	1.091	
122 dm	3.680	1.105	1.323	1.546	1.768	1.989	2.209	2.432	1.105	
123 dm	3.729	1.116	1.341	1.564	1.790	2.013	2.237	2.459	1.116	
124 dm	3.770	1.131	1.356	1.583	1.813	2.035	2.263	2.492	1.131	
125 dm	3.817	1.145	1.373	1.604	1.831	2.061	2.291	2.518	1.145	
126 dm	3.861	1.162	1.389	1.624	1.853	2.085	2.318	2.549	1.162	
127 dm	3.905	1.173	1.408	1.639	1.875	2.107	2.344	2.581	1.173	
128 dm	3.954	1.186	1.422	1.663	1.896	2.135	2.371	2.607	1.186	
129 dm	3.999	1.197	1.439	1.681	1.915	2.157	2.398	2.638	1.197	
130 dm	4.040	1.216	1.455	1.699	1.938	2.186	2.429	2.670	1.216	
131 dm	4.088	1.226	1.473	1.718	1.960	2.206	2.452	2.696	1.226	
132 dm	4.132	1.239	1.487	1.735	1.984	2.234	2.479	2.728	1.239	
133 dm	4.176	1.252	1.503	1.753	2.005	2.256	2.503	2.756	1.252	
134 dm	4.220	1.266	1.520	1.772	2.029	2.283	2.534	2.786	1.266	
135 dm	4.266	1.283	1.540	1.794	2.048	2.303	2.561	2.816	1.283	
136 dm	4.314	1.295	1.551	1.813	2.071	2.327	2.586	2.847	1.295	
137 dm	4.357	1.308	1.565	1.831	2.089	2.351	2.613	2.872	1.308	
138 dm	4.402	1.323	1.583	1.848	2.113	2.378	2.641	2.905	1.323	
139 dm	4.446	1.333	1.604	1.867	2.133	2.400	2.670	2.936	1.333	
140 dm	4.494	1.347	1.620	1.889	2.156	2.429	2.694	2.964	1.347	
141 dm	4.541	1.363	1.635	1.908	2.178	2.452	2.722	2.996	1.363	
142 dm	4.586	1.374	1.653	1.927	2.201	2.475	2.753	3.028	1.374	
143 dm	4.633	1.389	1.671	1.947	2.222	2.501	2.777	3.059	1.389	
144 dm	4.679	1.407	1.685	1.967	2.245	2.526	2.807	3.086	1.407	
145 dm	4.724	1.420	1.701	1.984	2.268	2.550	2.836	3.120	1.420	
146 dm	4.773	1.432	1.718	2.005	2.291	2.576	2.864	3.150	1.432	
147 dm	4.820	1.446	1.735	2.024	2.315	2.601	2.891	3.178	1.446	
148 dm	4.866	1.460	1.753	2.043	2.333	2.627	2.918	3.212	1.460	
149 dm	4.909	1.476	1.768	2.063	2.357	2.656	2.947	3.242	1.476	
150 dm	4.957	1.487	1.785	2.084	2.381	2.675	2.976	3.269	1.487	
151 dm	5.006	1.503	1.802	2.102	2.400	2.704	3.004	3.300	1.503	
152 dm	5.054	1.515	1.819	2.120	2.428	2.728	3.029	3.331	1.515	
153 dm	5.100	1.533	1.834	2.140	2.448	2.755	3.059	3.366	1.533	
154 dm	5.146	1.543	1.853	2.161	2.471	2.775	3.084	3.395	1.543	
155 dm	5.190	1.560	1.871	2.178	2.492	2.804	3.113	3.425	1.560	
156 dm	5.240	1.572	1.888	2.201	2.516	2.828	3.142	3.455	1.572	
157 dm	5.285	1.587	1.900	2.219	2.535	2.855	3.171	3.486	1.587	
158 dm	5.330	1.598	1.918	2.241	2.558	2.879	3.199	3.521	1.598	
159 dm	5.379	1.612	1.935	2.261	2.581	2.904	3.228	3.549	1.612	
160 dm	5.426	1.625	1.953	2.277	2.601	2.928	3.255	3.581	1.625	
161 dm	5.472	1.643	1.969	2.297	2.627	2.955	3.280	3.610	1.643	
162 dm	5.518	1.656	1.987	2.318	2.648	2.980	3.309	3.643	1.656	
163 dm	5.565	1.671	2.004	2.336	2.670	3.006	3.340	3.671	1.671	
164 dm	5.612	1.681	2.020	2.357	2.691	3.029	3.367	3.704	1.681	
165 dm	5.656	1.699	2.035	2.376	2.712	3.058	3.392	3.733	1.699	



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Column:	2	3	4	5	6	7	8	9	10
166 dm	5.707	1.711	2.056	2.397	2.738	3.079	3.420	3.766	1.711
167 dm	5.751	1.723	2.071	2.415	2.760	3.107	3.452	3.794	1.723
168 dm	5.797	1.737	2.085	2.434	2.784	3.130	3.477	3.826	1.737
169 dm	5.844	1.753	2.104	2.454	2.804	3.156	3.506	3.859	1.753
170 dm	5.892	1.768	2.120	2.475	2.826	3.178	3.533	3.885	1.768
171 dm	5.938	1.782	2.137	2.493	2.848	3.208	3.562	3.918	1.782
172 dm	5.984	1.795	2.156	2.516	2.871	3.232	3.590	3.947	1.795
173 dm	6.028	1.811	2.172	2.534	2.893	3.255	3.619	3.980	1.811
174 dm	6.077	1.824	2.189	2.550	2.916	3.280	3.647	4.011	1.824
175 dm	6.122	1.837	2.202	2.570	2.936	3.307	3.672	4.040	1.837
176 dm	6.169	1.849	2.220	2.591	2.958	3.330	3.698	4.072	1.849
177 dm	6.215	1.866	2.239	2.611	2.983	3.357	3.729	4.101	1.866
178 dm	6.262	1.877	2.256	2.631	3.006	3.383	3.760	4.134	1.877
179 dm	6.310	1.890	2.273	2.651	3.028	3.407	3.785	4.163	1.890
180 dm	6.356	1.908	2.289	2.670	3.049	3.431	3.810	4.196	1.908
181 dm	6.403	1.922	2.303	2.688	3.071	3.455	3.840	4.224	1.922
182 dm	6.451	1.934	2.322	2.708	3.093	3.481	3.866	4.254	1.934
183 dm	6.496	1.948	2.340	2.728	3.114	3.510	3.897	4.283	1.948
184 dm	6.542	1.960	2.356	2.752	3.138	3.532	3.923	4.319	1.960
185 dm	6.588	1.977	2.371	2.768	3.159	3.556	3.953	4.348	1.977
186 dm	6.636	1.990	2.390	2.786	3.181	3.582	3.980	4.379	1.990
187 dm	6.682	2.005	2.406	2.807	3.208	3.607	4.011	4.408	2.005
188 dm	6.727	2.019	2.420	2.826	3.231	3.632	4.035	4.443	2.019
189 dm	6.774	2.034	2.439	2.844	3.252	3.658	4.061	4.471	2.034
190 dm	6.820	2.045	2.455	2.866	3.269	3.680	4.090	4.500	2.045
191 dm	6.866	2.061	2.472	2.884	3.296	3.709	4.119	4.531	2.061
192 dm	6.915	2.073	2.485	2.904	3.319	3.733	4.148	4.562	2.073
193 dm	6.960	2.088	2.503	2.922	3.340	3.761	4.174	4.590	2.088
194 dm	7.010	2.102	2.520	2.942	3.366	3.782	4.206	4.624	2.102
195 dm	7.053	2.117	2.539	2.961	3.385	3.809	4.232	4.652	2.117
196 dm	7.100	2.130	2.552	2.983	3.407	3.834	4.259	4.685	2.130
197 dm	7.148	2.146	2.572	3.002	3.430	3.860	4.285	4.716	2.146
198 dm	7.192	2.157	2.588	3.022	3.453	3.884	4.316	4.745	2.157
199 dm	7.239	2.172	2.606	3.042	3.475	3.907	4.344	4.776	2.172
200 dm	7.286	2.186	2.624	3.059	3.494	3.932	4.369	4.811	2.186
voor elke dm meer	46	15	17	22	23	26	28	30	15

* 62 miles and more: additional for each 8 miles or part thereof.