

# OCEAN GUARD MONOPILE DONUT FLOATING FENDER

## STANDARD CAPACITY

FENDER		PILE		FLAT		ENERGY		REACTION	
DIAMETER		DIAMETER		LENGTH		ABSORPTION		FORCE	
FEET	METERS	FEET	METERS	FEET	METERS	FT-KIPS	TON-M	KIPS	TON
4.5	1.4	2	0.6	2	0.6	4	0.6	18	8.2
4.5	1.4	2	0.6	3	0.9	6	0.8	27	12.2
4.5	1.4	2	0.6	4	1.2	8	1.1	35	15.9
4.5	1.4	2	0.6	5	1.5	10	1.4	44	20.0
4.5	1.4	2	0.6	6	1.8	12	1.7	53	24.0
4.5	1.4	2	0.6	7	2.1	14	1.9	62	28.1
4.5	1.4	2	0.6	8	2.4	16	2.2	71	32.2
5	1.5	2.5	0.8	2	0.6	5	0.7	21	9.5
5	1.5	2.5	0.8	3	0.9	7	1.0	31	14.1
5	1.5	2.5	0.8	4	1.2	10	1.4	41	18.6
5	1.5	2.5	0.8	5	1.5	12	1.7	52	23.6
5	1.5	2.5	0.8	6	1.8	15	2.1	62	28.1
5	1.5	2.5	0.8	7	2.1	17	2.4	72	32.7
5	1.5	2.5	0.8	8	2.4	20	2.8	83	37.6
6	1.8	3	0.9	2	0.6	7	1.0	24	10.9
6	1.8	3	0.9	3	0.9	11	1.5	35	15.9
6	1.8	3	0.9	4	1.2	14	1.9	47	21.3
6	1.8	3	0.9	5	1.5	18	2.5	59	26.8
6	1.8	3	0.9	6	1.8	21	2.9	71	32.2
6	1.8	3	0.9	7	2.1	25	3.5	83	37.6
6	1.8	3	0.9	8	2.4	29	4.0	94	42.6
7	2.1	3.5	1.1	3	0.9	15	2.1	40	18.1
7	2.1	3.5	1.1	4	1.2	19	2.6	53	24.0
7	2.1	3.5	1.1	5	1.5	24	3.3	66	29.9
7	2.1	3.5	1.1	6	1.8	29	4.0	80	36.3
7	2.1	3.5	1.1	7	2.1	34	4.7	93	42.2
7	2.1	3.5	1.1	8	2.4	39	5.4	106	48.1
7.5	2.3	4	1.2	3	0.9	17	2.4	44	20.0
7.5	2.3	4	1.2	4	1.2	22	3.0	59	26.8
7.5	2.3	4	1.2	5	1.5	28	3.9	74	33.6
7.5	2.3	4	1.2	6	1.8	33	4.6	89	40.4
7.5	2.3	4	1.2	7	2.1	39	5.4	103	46.7
7.5	2.3	4	1.2	8	2.4	45	6.2	118	53.5
8.25	2.5	4.5	1.4	3	0.9	20	2.8	49	22.2
8.25	2.5	4.5	1.4	4	1.2	27	3.7	65	29.5
8.25	2.5	4.5	1.4	5	1.5	33	4.6	81	36.7
8.25	2.5	4.5	1.4	6	1.8	40	5.5	97	44.0
8.25	2.5	4.5	1.4	7	2.1	47	6.5	114	51.7
8.25	2.5	4.5	1.4	8	2.4	54	7.5	130	59.0
9	2.7	5	1.5	3	0.9	24	3.3	53	24.0
9	2.7	5	1.5	4	1.2	32	4.4	71	32.2
9	2.7	5	1.5	5	1.5	40	5.5	89	40.4
9	2.7	5	1.5	6	1.8	48	6.6	106	48.1
9	2.7	5	1.5	7	2.1	56	7.7	124	56.2
9	2.7	5	1.5	8	2.4	64	8.9	142	64.4

*\* Actual values for above sizes may vary +/- 15% due to variations in materials, speed of compression, temperatures and tolerances.*

The fender performance is engineered at 60% foam compression. The monopile deflection provides additional energy absorption for the same reaction force rating.