



**URETHANE PRODUCTS CORPORATION**  
**MARINE GUARD™**  
**FOAM FILLED FLOATING MONOPILE DONUT FENDERS**  
**STANDARD CAPACITY**

Fender performance and design is at 60% foam compression. Additional energy absorption for the same reaction force is provided by the monopile deflection.

MARINE GUARD™ foam filled monopile donut fenders are available in other capacities and sizes.

**SPECIFICATIONS**

DONUT DIAMETER feet / meters	4.5 / 1.37		5.0 / 1.52		6.0 / 1.82		7.0 / 2.13		7.5 / 2.29		9.0 / 2.74	
PILE DIAMETER feet / meters	2.0 / 0.61		2.5 / 0.76		3.0 / 0.91		3.5 / 1.06		4.0 / 1.22		5.0 / 1.52	
PERFORMANCE RATING	ENERGY	REACTION	ENERGY	REACTION	ENERGY	REACTION	ENERGY	REACTION	ENERGY	REACTION	ENERGY	REACTION
	ABSORPTION	FORCE	ABSORPTION	FORCE	ABSORPTION	FORCE	ABSORPTION	FORCE	ABSORPTION	FORCE	ABSORPTION	FORCE
Flat Height	ft*kip (kN*m)	kip (kN)	ft*kip (kN*m)	kip (kN)	ft*kip (kN*m)	kip (kN)	ft*kip (kN*m)	kip (kN)	ft*kip (kN*m)	kip (kN)	ft*kip (kN*m)	kip (kN)
2 ft / 0.61 m	4	18	5	20	7	24	-	-	-	-	-	-
	(5)	(80)	(7)	(89)	(9)	(107)	-	-	-	-	-	-
3 ft / 0.91 m	6	27	7	29	11	35	15	41	17	44	24	53
	(8)	(120)	(9)	(129)	(15)	(156)	(20)	(182)	(23)	(196)	(33)	(236)
4 ft / 1.22 m	8	35	10	39	14	47	19	55	22	59	32	71
	(11)	(156)	(14)	(173)	(19)	(209)	(26)	(245)	(30)	(262)	(43)	(316)
5 ft / 1.52 m	10	44	12	49	18	59	24	69	28	74	40	88
	(14)	(196)	(16)	(218)	(24)	(262)	(33)	(307)	(38)	(329)	(54)	(391)
6 ft / 1.82 m	12	53	15	59	21	71	29	83	33	88	48	106
	(16)	(236)	(20)	(262)	(28)	(316)	(39)	(369)	(45)	(391)	(65)	(471)
7 ft / 2.13 m	14	63	17	69	25	83	34	96	39	103	56	124
	(19)	(280)	(23)	(307)	(34)	(369)	(46)	(427)	(53)	(458)	(76)	(552)
8 ft / 2.44 m	16	72	20	79	29	94	39	110	45	118	64	141
	(22)	(320)	(27)	(351)	(39)	(418)	(53)	(489)	(61)	(525)	(87)	(627)

Actual values may vary due to the variability of weather conditions, compression speed and material properties.