

Tangent SeaPile	Actual Diameter (in)	Rebar Quantity (ea)	Rebar Size (in)	Flexural Strength (psi)	Flexural Modulus (psi)	Stiffness EI (lb-in ²)	Moment Capacity (kip-ft)	Weight Range (lb/ft)
10 SP 6F08	10 1/4	6	1	4,830	302,000	1.48E+08	42	28-35
10 SP 8F08	10 1/4	8	1	5,910	369,000	1.81E+08	52	29-36
13 SP 8F08	13 1/8	8	1	8,185	403,459	5.55E+08	145	43-50
13 SP 8F10	13 1/8	8	1 1/4	9,948	527,679	7.26E+08	176	44-52
13 SP 8F11	13 1/8	8	1 3/8	13,615	624,251	8.58E+08	241	45-53
13 SP 8F12	13 1/8	8	1 1/2	13,969	712,863	9.80E+08	247	46-54
13 SP 12F08	13 1/8	12	1	10,474	525,366	7.22E+08	185	44-52
13 SP 12F10	13 1/8	12	1 1/4	14,251	728,308	1.00E+09	252	46-54
13 SP 12F11	13 1/8	12	1 3/8	14,345	787,932	1.08E+09	254	47-55
13 SP 12F12	13 1/8	12	1 1/2	14,652*	905,466*	1.26E+09*	265*	49-57
13 SP 12F13	13 1/8	12	1 5/8	14,960	1,023,000	1.43E+09	277	51-59
16 SP 16F08	16 1/8	16	1	8,753	477,093	1.53E+09	293	71-79
16 SP 16F10	16 1/8	16	1 1/4	12,391	586,745	1.89E+09	415	47-82
16 SP 16F11	16 1/8	16	1 3/8	15,896	713,486	2.30E+09	532	76-83
16 SP 16F12	16 1/8	16	1 1/2	16,590*	851,641*	2.74E+09*	555*	77-85
16 SP 16F13	16 1/8	16	1 5/8	17,284	989,796	3.18E+09	579	78-86
16 SP 16F14	16 1/8	16	1 3/4	18,751	1,106,219	3.56E+09	628	80-89

All flexural values are ultimate. Load and resistance factors (LRFD) or safety factors (ASD) must be applied to these values.

Flexural Modulus is a Secant Modulus at 1% strain per ASTM D790.

* Values are projected based on flexural tests of similar sections

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