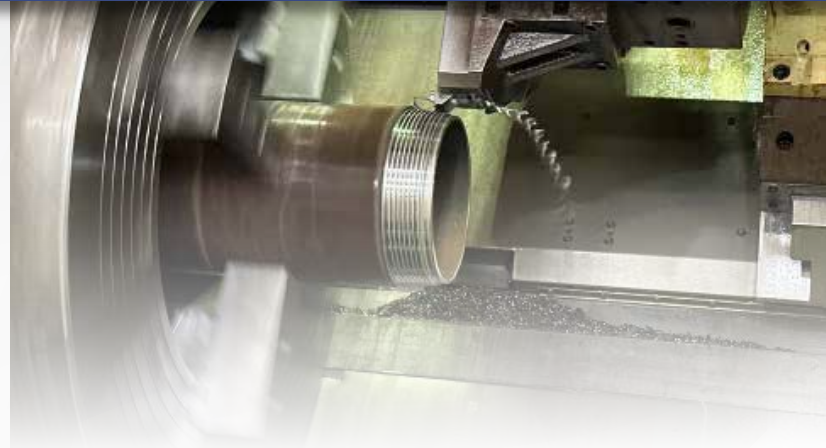




Micropile Casing

OCI: Micropile Casing

A segment of the product lines manufactured by OCI is micropile casing which is marketed both domestically and internationally. Micropile casing is manufactured utilizing various thread forms, outside diameters, wall thicknesses, and lengths. The chart which follows is to be used as a reference guide only as additional sizes and options may exist.



MICROPILE CASING

PIPE O.D. (inches)	WALL THICKNESS (inches)	NOMINAL I.D. (inches)	WEIGHT (lbs./ft.)	CROSS SECTIONAL AREA (inches ²)	MOMENT OF INERTIA	SECTION MODULUS	RADIUS OF GYRATION
D	w	$d = D - 2w$	$lb/ft = 10.69 (D-w)w$	$A = \frac{\pi}{4} (D^2 - d^2)$	$I = \frac{\pi (D^4 - d^4)}{64}$	$S = \frac{\pi (D^4 - d^4)}{32D}$	$R = \frac{\sqrt{D^2 + d^2}}{4}$
3.5	.254	2.992	8.81	2.590	3.43234	1.96134	1.15114
3.5	.368	2.764	12.32	3.621	4.50119	2.57211	1.11495
3.5	.375	2.750	12.53	3.682	4.55880	2.60503	1.11278
3.5	.488	2.524	15.71	4.618	5.37400	3.07086	1.07879
4	.330	3.340	12.95	3.805	6.45757	3.22879	1.30278
4	.380	3.240	14.71	4.322	7.15696	3.57848	1.28690
4.5	.337	3.826	15.00	4.407	9.61049	4.27133	1.47666
4.5	.430	3.640	18.71	5.498	11.51151	5.11623	1.44697
5	.362	4.276	17.95	5.275	14.26916	5.70766	1.64477
5	.478	4.044	23.11	6.791	17.55113	7.02045	1.60768
5.5	.361	4.778	19.83	5.828	19.33485	7.03085	1.82139
5.5	.415	4.670	22.56	6.630	21.57068	7.84389	1.80380
5.5	.476	4.548	25.56	7.513	23.91646	8.69689	1.78421
5.5	.562	4.376	29.67	8.718	26.91775	9.78827	1.75712
6.625	.352	5.291	23.60	12.485	56.09141	16.93326	2.11963
6.625	.432	5.761	28.60	8.405	40.49067	12.22360	2.19488
6.625	.475	5.675	31.23	9.177	43.64775	13.17668	2.18083
7	.362	6.276	25.69	7.549	41.70325	11.91521	2.35037
7	.408	6.184	28.75	8.449	46.07148	13.16328	2.33508
7	.453	6.094	31.70	9.317	50.16021	14.33149	2.32025
7	.498	6.004	34.61	10.172	54.07174	15.44907	2.30554
7	.540	5.920	37.29	10.959	57.56722	16.44778	2.29192

CONTINUED ON BACK



Micropile Casing

MICROPILE CASING (Continued)

PIPE O.D. (inches)	WALL THICKNESS (inches)	NOMINAL I.D. (inches)	WEIGHT (lbs./ft.)	CROSS SEC- TIONAL AREA (inches ²)	MOMENT OF INERTIA	SECTION MODULUS	RADIUS OF GYRATION
D	w	$d = D - 2w$	$lb/ft = 10.69 (D-w)w$	$A = \frac{\pi}{4} (D^2 - d^2)$	$I = \frac{\pi (D^4 - d^4)}{64}$	$S = \frac{\pi (D^4 - d^4)}{32D}$	$R = \frac{\sqrt{D^2 + d^2}}{4}$
7	.590	5.820	40.43	11.881	61.53892	17.58255	2.27586
7.625	.375	6.875	29.06	8.541	56.26852	14.75896	2.56669
7.625	.430	6.765	33.07	9.720	63.12031	16.55615	2.54836
7.625	.500	6.625	38.08	11.192	71.37037	18.72010	2.52526
7.625	.625	6.375	46.77	13.744	84.85598	22.25731	2.48472
7.75	.595	6.560	45.51	13.374	86.17846	22.23960	2.53841
8.625	.352	7.921	31.13	9.149	78.41102	18.18227	2.92759
8.625	.400	7.825	35.17	10.336	87.60997	20.31536	2.91141
8.625	.500	7.625	43.43	12.763	105.71620	24.51390	2.87806
9.625	.395	8.835	38.97	11.454	122.19593	25.39136	3.26628
9.625	.435	8.755	42.73	12.559	132.88245	27.61194	3.25279
9.625	.472	8.681	46.18	13.572	142.51010	29.61249	3.24037
9.625	.545	8.535	52.90	15.546	160.79618	33.41219	3.21604
9.875	.625	8.625	61.80	18.162	195.13865	39.52175	3.27783
10.75	.400	9.950	44.26	13.006	174.41712	32.44970	3.66201
10.75	.495	9.760	54.26	15.947	210.12744	39.09348	3.62991
10.75	.500	9.750	54.79	16.101	211.95013	39.43258	3.62823
10.75	.545	9.660	59.45	17.473	228.10369	42.43790	3.61315
10.75	.595	9.560	64.59	18.982	245.53026	45.68005	3.59649
11.75	.489	10.772	58.87	17.300	274.73740	46.76381	3.98512
11.75	.534	10.682	64.03	18.816	296.55037	50.47666	3.96995
11.875	.582	10.711	70.26	20.648	330.03714	55.58520	3.99798
12.75	.500	11.750	65.48	19.242	361.54393	56.71277	4.33464
12.75	.562	11.626	73.22	21.519	400.42019	62.81101	4.31369
13.375	.480	12.415	66.17	19.445	404.73103	60.52053	4.56223
13.375	.514	12.347	70.67	20.768	430.07119	64.30971	4.55068
13.625	.625	12.375	86.86	25.525	540.47129	79.33523	4.60150
14	.500	13.000	72.16	21.206	483.75618	69.10803	4.77624
16	.500	15.000	82.85	24.347	731.94200	91.49275	5.48293
16	.575	14.850	94.81	27.864	829.86284	103.73286	5.45735
18	.562	16.876	104.76	30.788	1171.48593	130.16510	6.16847
20	.625	18.750	129.45	38.043	1786.96778	178.69678	6.85366
22	.625	20.750	142.68	41.970	2398.99543	218.09049	7.56043

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