

NOM.	O.D.	LEGEND	5	10	20	30	40	STD	60	80	XH	100	120	140	160	XXH	
1/8"	.405"	AVG	.035	.049			.068	.068		.095	.095						
		LBS/FT	1.384	1.865			.2450	.2450		.3148	.3148						
1/4"	.540"	AVG	.049	.065			.088	.088		.119	.119						
		LBS/FT	2.572	3.301			4.252	4.252		5.356	5.356						
3/8"	.675"	AVG	.049	.065			.091	.091		.126	.126						
		LBS/FT	3.279	4.239			5.681	5.681		7.395	7.395						
1/2"	.840"	AVG	.065	.083			.109	.109		.147	.147					.188	.294
		LBS/FT	5.385	6.717			8.518	8.518		1.089	1.089					1.310	1.716
3/4"	1.050"	AVG	.065	.083			.113	.113		.154	.154					.219	.308
		LBS/FT	6.844	8.580			1.132	1.132		1.475	1.475					1.945	2.443
1"	1.315"	AVG	.065	.109			.133	.133		.179	.179					.250	.358
		LBS/FT	8.686	1.405			1.681	1.681		2.174	2.174					2.846	3.662
1-1/4"	1.660"	AVG	.065	.109			.140	.140		.191	.191					.250	.382
		LBS/FT	1.108	1.807			2.275	2.275		2.999	2.999					3.768	5.219
1-1/2"	1.900"	AVG	.065	.109			.145	.145		.200	.200					.281	.400
		LBS/FT	1.275	2.087			2.720	2.720		3.635	3.635					4.863	6.414
2"	2.375"	AVG	.065	.109			.154	.154		.218	.218					.344	.436
		LBS/FT	1.605	2.640			3.656	3.656		5.027	5.027					7.469	9.037
2-1/2"	2.875"	AVG	.083	.120			.203	.203		.276	.276					.375	.552
		LBS/FT	2.477	3.534			5.798	5.798		7.668	7.668					10.02	13.71
3"	3.500"	AVG	.083	.120			.216	.216		.300	.300					.438	.600
		LBS/FT	3.032	4.336			7.583	7.583		10.26	10.26					14.34	18.60
3-1/2"	4.000"	AVG	.083	.120			.226	.226		.318	.318					.636	
		LBS/FT	3.475	4.977			9.118	9.118		12.52	12.52					22.87	
4"	4.500"	AVG	.083	.120			.237	.237	.281	.337	.337		.438			.531	.674
		LBS/FT	3.919	5.619			10.80	10.80	12.67	15.00	15.00		19.02			22.53	27.57
4-1/2"	5.000"	AVG					.247									.710	
		LBS/FT					12.55									32.56	
5"	5.563"	AVG	.109	.134			.258	.258		.375	.375		.500			.625	.750
		LBS/FT	6.355	7.777			14.63	14.63		20.80	20.80		27.06			32.99	38.59
6"	6.625"	AVG	.109	.134			.280	.280		.432	.432		.562			.719	.864
		LBS/FT	7.593	9.298			18.99	18.99		28.60	28.60		36.43			45.39	53.21
7"	7.625"	AVG					.301									.875	
		LBS/FT					23.57									63.14	
8"	8.625"	AVG	.109	.148	.250	.277	.322	.322	.406	.500	.500	.594	.719	.812	.906	.875	
		LBS/FT	9.923	13.41	22.38	24.72	28.58	28.58	35.67	43.43	43.43	51.00	60.77	67.82	74.76	72.49	
9"	9.625"	AVG					.342										
		LBS/FT					33.94										
10"	10.750"	AVG	.134	.165	.250	.307	.365	.365	.500	.594	.500	.719	.844	1.000	1.125		
		LBS/FT	15.21	18.67	28.06	34.27	40.52	40.52	54.79	64.49	54.79	77.10	89.38	104.2	115.8		
11"	11.750"	AVG					.375										
		LBS/FT					45.60										
12"	12.750"	AVG	.165	.180	.250	.330	.406	.375	.562	.688	.500	.844	1.000	1.125	1.312		
		LBS/FT	22.20	24.19	33.41	43.81	53.57	49.61	73.22	88.71	65.48	107.4	125.6	139.8	160.4		
14"	14.000"	AVG	.250	.312	.375	.438	.375	.594	.750	.500	.938	1.094	1.250	1.406			
		LBS/FT	36.75	45.65	54.62	63.50	54.62	85.13	106.23	72.16	131.0	150.9	170.4	189.3			
16"	16.000"	AVG	.250	.312	.375	.500	.375	.656	.844	.500	1.031	1.219	1.438	1.594			
		LBS/FT	42.09	52.32	62.64	82.85	62.64	107.6	136.7	82.85	165.0	192.6	223.9	245.5			
18"	18.000"	AVG	.250	.312	.438	.562	.375	.750	.938	.500	1.156	1.375	1.562	1.781			
		LBS/FT	47.44	58.99	82.23	104.8	70.65	138.3	171.1	93.54	208.2	244.4	274.5	308.8			
20"	20.000"	AVG	.250	.375	.500	.594	.375	.812	1.031	.500	1.281	1.500	1.750	1.968			
		LBS/FT	52.78	78.67	104.2	123.2	78.67	166.6	209.1	104.3	256.3	296.6	341.4	379.4			
22"	22.000"	AVG	.250	.375	.500		.375	.875	1.125	.500	1.375	1.625	1.875	2.125			
		LBS/FT	58.13	86.69	114.9		86.69	197.6	251.0	114.9	303.2	353.9	403.4	451.5			
24"	24.000"	AVG	.250	.375	.562	.688	.375	.969	1.219	.500	1.531	1.812	2.062	2.344			
		LBS/FT	63.47	94.71	140.8	171.5	94.71	238.6	296.9	125.6	367.5	429.8	483.6	542.6			