

DIAMETER																		
MM	219	273	323	355	406	457	508	559	610	660	711	762	813	864	914	1016	1120	1220
INCHES	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	40	44	48
T (MM)	Unit weight (kg/m)																	
4.0	21.2	26.5	31.5	34.6	39.7	44.7	49.7	54.7	59.8	64.7	69.7	74.8	79.8					
4.5	23.8	29.8	35.3	38.9	44.6	50.2	55.9	61.5	67.2	72.7	78.4	84.1	89.7	95.4				
5.0	26.4	33.0	39.2	43.2	49.4	55.7	62.0	68.3	74.6	80.8	87.0	93.3	99.6	105.9	112.1			
5.6	29.5	36.9	43.8	48.3	55.3	62.3	69.4	76.4	83.5	90.4	97.4	104.5	111.5	118.5	125.4	139.5	153.9	
6.3	33.0	41.4	49.2	54.2	62.1	70.0	77.9	85.9	93.8	101.6	109.5	117.4	125.3	133.3	141.0	156.9	173.0	188.6
7.1	37.1	46.6	55.3	60.9	69.8	78.8	87.7	96.6	105.6	114.3	123.2	132.2	141.1	150.0	158.8	176.6	194.9	212.4
8.0	41.6	52.3	62.1	68.5	78.5	88.6	98.6	108.7	118.8	128.6	138.7	148.7	158.8	168.9	178.7	198.9	219.4	239.1
8.8		57.3	68.2	75.1	86.2	97.3	108.3	119.4	130.5	141.3	152.4	163.5	174.5	185.6	196.4	218.6	241.1	262.8
10.0		64.9	77.2	85.1	97.7	110.2	122.8	135.4	148.0	160.3	172.9	185.4	198.0	210.6	222.9	248.1	273.7	298.4
11.0			84.6	93.3	107.1	121.0	134.8	148.7	162.5	176.0	189.9	203.7	217.6	231.4	244.9	272.6	300.8	328.0
12.0				101.5	116.6	131.7	146.8	161.9	177.0	191.8	206.8	221.9	237.0	252.1	266.9	297.1	327.9	357.5
14.0					135.3	152.9	170.5	188.2	205.8	223.0	240.6	258.2	275.8	293.5	310.7	345.9	381.8	416.4
16.0							194.1	214.2	234.4	254.1	274.2	294.3	314.5	334.6	354.3	394.6	435.6	475.1
17.5								233.7	255.7	277.3	299.3	321.3	343.3	365.3	386.9	430.9	475.8	518.9
20.0												366.0	391.1	416.3	440.9	491.2	542.5	591.8
22.0													429.1	456.8	483.9	539.3	595.7	649.9
24.0															526.7	587.1	648.7	707.8
26.0															569.4	634.7	701.4	765.5

DIAMETER																		
MM	1320	1420	1520	1620	1720	1820	1930	2020	2133	2220	2337	2435	2540	2642	2743	2845	2946	3048
INCHES	52	56	60	64	68	72	76	80	84	88	92	96	100	104	108	112	116	120
T (MM)	Unit weight (kg/m)																	
4.0																		
4.5																		
5.0																		
5.6																		
6.3																		
7.1	229.9	247.4																
8.0	258.8	278.6	298.3															
8.8	284.5	306.2	327.9	349.6	371.3													
10.0	323.0	347.7	372.4	397.0	421.7	446.3	473.5	495.7										
11.0	355.1	382.2	409.3	436.5	463.6	490.7	520.5	545.0	575.6	599.2								
12.0	387.1	416.7	446.2	475.8	505.4	535.0	567.6	594.2	627.6	653.4	688.0							
14.0	450.9	485.4	519.9	554.5	589.0	623.5	661.5	692.6	731.6	761.6	802.0	835.8	872.1	907.3	942.2			
16.0	514.5	554.0	593.4	632.9	672.3	711.8	755.2	790.7	835.3	869.6	915.8	954.4	995.9	1036.1	1076.0	1116.2	1156.1	1196.3
17.5	562.1	605.2	648.4	691.6	734.7	777.9	825.3	864.2	912.9	950.5	1001.0	1043.3	1088.6	1132.6	1176.2	1220.2	1263.8	1307.8
20.0	641.2	690.5	739.8	789.1	838.4	887.8	942.0	986.4	1042.1	1085.0	1142.7	1191.1	1242.9	1293.2	1343.0	1393.3	1443.1	1493.4
22.0	704.2	758.4	812.7	866.9	921.2	975.5	1035.1	1084.0	1145.3	1192.5	1255.9	1309.1	1366.1	1421.4	1476.2	1531.5	1586.3	1641.7
24.0	767.0	826.2	885.4	944.6	1003.8	1062.9	1128.0	1181.3	1248.2	1299.7	1368.9	1426.9	1489.1	1549.4	1609.2	1669.6	1729.4	1789.7
26.0	829.7	893.8	957.9	1022.0	1086.1	1150.2	1220.8	1278.5	1350.9	1406.7	1481.7	1544.6	1611.9	1677.3	1742.0	1807.4	1872.2	1937.6