



BARGE "EMS 315"
Enterprise Marine Services LLC

1 PORT OR STAR

OUTAGE TABLE

HULL NO. 149

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.
0	4,354.28	4,067.40	3,758.30	3,433.87	3,110.67	2,778.70	2,446.73	2,114.76	1,782.79	1,450.83	1,120.78	806.08	510.58	234.27
1/4	4,351.01	4,064.07	3,755.34	3,430.99	3,103.75	2,771.78	2,439.81	2,107.85	1,775.88	1,443.91	1,113.96	799.67	504.57	228.65
1/2	4,347.73	4,057.41	3,745.79	3,426.31	3,096.83	2,764.87	2,432.90	2,100.93	1,772.05	1,439.98	1,107.15	793.25	498.55	223.04
3/4	4,344.00	4,048.41	3,739.23	3,419.54	3,088.92	2,757.95	2,425.98	2,094.01	1,762.05	1,430.08	1,100.33	786.84	492.54	217.42
1	4,339.27	4,042.07	3,732.68	3,412.76	3,083.00	2,751.03	2,419.10	2,087.10	1,755.13	1,423.16	1,093.52	780.42	486.52	211.81
1 1/4	4,333.54	4,035.74	3,726.12	3,405.99	3,076.09	2,744.14	2,412.15	2,080.18	1,748.21	1,416.25	1,086.70	774.01	480.51	206.19
1 1/2	4,328.81	4,029.41	3,719.57	3,399.21	3,069.17	2,737.20	2,405.23	2,073.27	1,741.30	1,409.33	1,080.99	767.79	474.70	200.77
1 3/4	4,324.08	4,023.07	3,713.01	3,392.43	3,062.25	2,730.29	2,398.32	2,066.35	1,734.38	1,402.41	1,075.47	761.58	468.86	195.36
2	4,319.34	4,016.74	3,706.46	3,385.66	3,055.34	2,723.37	2,391.40	2,059.42	1,727.47	1,395.50	1,068.66	755.36	463.07	189.94
2 1/4	4,314.61	4,010.41	3,700.89	3,378.88	3,048.42	2,716.45	2,384.49	2,052.52	1,720.55	1,388.58	1,061.74	749.15	457.25	184.53
2 1/2	4,309.87	4,004.07	3,700.35	3,372.11	3,041.51	2,709.54	2,377.57	2,045.60	1,714.63	1,381.63	1,054.82	742.94	451.44	179.11
2 3/4	4,297.91	3,997.69	3,693.74	3,365.27	3,034.59	2,702.62	2,370.65	2,038.69	1,707.72	1,374.75	1,047.92	736.72	445.63	173.69
3	4,291.74	3,991.30	3,687.30	3,358.44	3,027.67	2,695.71	2,363.74	2,031.77	1,699.80	1,367.83	1,040.40	730.51	439.81	168.26
3 1/4	4,285.57	3,984.91	3,680.13	3,351.61	3,020.76	2,688.79	2,356.82	2,024.85	1,692.89	1,360.92	1,033.79	724.29	434.00	162.86
3 1/2	4,279.41	3,978.52	3,673.52	3,344.78	3,013.84	2,681.87	2,349.91	2,017.94	1,685.97	1,354.00	1,027.18	718.08	428.18	157.45
3 3/4	4,273.24	3,972.13	3,666.91	3,337.95	3,006.93	2,674.96	2,342.99	2,011.02	1,679.05	1,347.09	1,020.56	711.87	422.37	152.03
4	4,267.07	3,965.75	3,660.13	3,331.11	3,000.01	2,668.04	2,336.07	2,004.11	1,672.14	1,340.17	1,013.95	705.65	416.56	146.61
4 1/4	4,260.91	3,959.36	3,653.26	3,324.28	2,993.09	2,661.13	2,329.16	1,997.19	1,665.22	1,333.25	1,007.33	699.44	410.74	141.20
4 1/2	4,254.74	3,952.97	3,646.47	3,317.45	2,986.18	2,654.21	2,322.24	1,990.27	1,658.31	1,326.34	1,000.72	693.22	404.93	135.78
4 1/2	4,248.57	3,946.58	3,639.67	3,310.62	2,979.26	2,647.29	2,315.33	1,983.36	1,651.39	1,319.42	994.11	687.01	399.11	130.37
5	4,242.40	3,940.19	3,632.76	3,303.79	2,972.33	2,640.38	2,308.41	1,976.44	1,644.47	1,312.51	988.88	680.80	393.30	124.95
5 1/4	4,236.24	3,933.81	3,625.85	3,296.95	2,965.43	2,633.46	2,301.49	1,969.53	1,637.56	1,305.59	981.94	674.58	387.49	119.53
5 1/2	4,230.07	3,927.42	3,618.94	3,290.12	2,958.51	2,626.55	2,294.58	1,962.61	1,630.64	1,298.67	974.26	668.37	381.67	114.12
5 3/4	4,223.95	3,920.98	3,612.03	3,283.24	2,951.60	2,619.63	2,287.66	1,955.69	1,623.73	1,291.76	967.65	662.15	375.86	108.70
6	4,217.83	3,914.53	3,605.12	3,276.35	2,944.68	2,612.71	2,280.75	1,948.78	1,616.81	1,284.84	960.04	655.94	370.04	103.29
6 1/4	4,211.40	3,908.09	3,598.04	3,269.46	2,937.77	2,605.80	2,273.83	1,941.86	1,609.89	1,277.93	952.44	649.73	364.23	97.87
6 1/2	4,205.18	3,901.65	3,590.78	3,262.58	2,930.85	2,598.88	2,266.91	1,934.95	1,603.92	1,271.01	947.81	643.51	358.42	92.45
6 3/4	4,198.96	3,895.20	3,583.71	3,255.69	2,923.93	2,591.97	2,260.00	1,928.03	1,598.06	1,264.09	941.19	637.30	352.60	87.04
7	4,192.74	3,888.76	3,576.05	3,248.81	2,917.02	2,585.05	2,253.08	1,921.11	1,592.15	1,257.18	934.58	631.08	346.79	81.62
7 1/4	4,186.52	3,882.32	3,568.78	3,241.92	2,910.10	2,578.13	2,246.17	1,914.20	1,586.23	1,250.26	927.97	624.87	340.97	76.21
7 1/2	4,180.29	3,875.87	3,561.72	3,235.03	2,903.19	2,571.22	2,239.25	1,907.28	1,580.31	1,243.35	921.55	618.85	335.36	70.99
7 3/4	4,174.07	3,869.43	3,554.05	3,228.15	2,896.27	2,564.30	2,232.33	1,900.37	1,574.40	1,236.43	915.14	612.84	329.74	65.77
8	4,167.85	3,862.99	3,547.39	3,221.26	2,889.35	2,557.39	2,225.42	1,893.45	1,568.48	1,229.52	908.72	606.82	324.13	60.56
8 1/4	4,161.63	3,856.54	3,540.72	3,214.38	2,882.44	2,550.47	2,218.50	1,886.53	1,562.57	1,223.00	902.31	600.81	318.51	55.34
8 1/2	4,155.41	3,850.10	3,534.06	3,207.49	2,875.52	2,543.55	2,211.59	1,879.62	1,556.66	1,216.19	895.89	594.79	312.89	50.13
8 3/4	4,149.13	3,843.59	3,527.34	3,200.57	2,868.61	2,536.64	2,204.67	1,872.70	1,550.75	1,209.37	889.48	588.78	307.28	45.32
9	4,142.85	3,837.09	3,520.62	3,193.66	2,861.69	2,529.72	2,197.75	1,865.79	1,544.82	1,202.56	883.06	582.76	301.66	40.51
9 1/4	4,136.57	3,830.58	3,513.90	3,186.74	2,854.77	2,522.81	2,190.84	1,858.87	1,538.90	1,195.74	876.65	576.75	296.05	35.71
9 1/2	4,130.29	3,824.07	3,507.18	3,179.83	2,847.86	2,515.89	2,183.92	1,851.95	1,532.99	1,188.53	870.23	570.73	290.43	31.86
9 3/4	4,124.02	3,817.56	3,500.46	3,172.91	2,840.94	2,508.97	2,177.01	1,845.04	1,527.07	1,182.11	863.82	564.72	284.81	28.01
10	4,117.74	3,811.05	3,493.74	3,166.99	2,834.03	2,502.06	2,170.09	1,838.12	1,521.16	1,175.30	857.40	558.70	279.20	24.16
10 1/4	4,111.46	3,804.55	3,487.02	3,159.08	2,827.11	2,495.14	2,163.17	1,831.21	1,515.24	1,168.48	850.99	552.69	273.58	20.31
10 1/2	4,105.18	3,798.04	3,480.30	3,152.16	2,820.19	2,488.23	2,156.26	1,824.29	1,509.32	1,161.67	844.57	546.67	267.97	17.55
10 3/4	4,098.90	3,791.53	3,473.58	3,145.25	2,813.28	2,481.31	2,149.34	1,817.37	1,503.41	1,154.85	838.16	540.66	262.35	14.79
11	4,092.63	3,785.02	3,466.86	3,138.33	2,806.36	2,474.39	2,142.43	1,810.46	1,497.49	1,148.04	831.74	534.64	256.73	11.04
11 1/4	4,086.35	3,778.51	3,460.14	3,131.41	2,799.45	2,467.48	2,135.51	1,803.54	1,491.57	1,141.22	825.33	528.63	251.12	7.29
11 1/2	4,080.07	3,772.01	3,453.42	3,124.50	2,792.53	2,460.56	2,128.59	1,796.63	1,484.66	1,134.41	818.91	522.61	245.50	3.54
11 3/4	4,073.74	3,765.45	3,446.64	3,117.58	2,785.61	2,453.65	2,121.68	1,789.71	1,477.74	1,127.59	812.50	516.60	239.89	3.04

STRAPPED: 1710065

14"-11" (TO RIM OF 2" DIAMETER BALL VALVE

LOCATED NEAR CENTER OF TANK)

* CAPACITY BELOW STRIKE POINT

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

INSPECTORATE AMERICA CORPORATION



BARGE "EMS 315"
Enterprise Marine Services LLC

OUTGAGE TABLE

2 PORT OR STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 140		0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.								
0	0	5,276.11	0	4,950.30	0	4,596.22	0	4,229.59	0	3,844.87	0	3,456.79	0	2,680.63	0	2,292.55	0	1,516.39	0	1,128.31	0	1,904.47	0	1,767.02	0	1,376.94	0	1,141.28	0	990.85	0	837.25	0	623.49	0	552.15		
1/4	1/4	5,272.28	1/4	4,943.11	1/4	4,590.69	1/4	4,221.71	1/4	3,836.78	1/4	3,448.70	1/4	3,060.62	1/4	2,674.54	1/4	2,288.46	1/4	1,902.30	1/4	1,896.38	1/4	1,896.38	1/4	1,896.38	1/4	1,896.38	1/4	1,896.38	1/4	1,896.38	1/4	1,896.38	1/4	1,896.38	1/4	1,896.38
1/2	1/2	5,268.45	1/2	4,935.91	1/2	4,583.15	1/2	4,213.83	1/2	3,828.70	1/2	3,440.62	1/2	3,054.54	1/2	2,668.46	1/2	2,282.38	1/2	1,896.22	1/2	1,892.22	1/2	1,892.22	1/2	1,892.22	1/2	1,892.22	1/2	1,892.22	1/2	1,892.22	1/2	1,892.22	1/2	1,892.22	1/2	1,892.22
3/4	3/4	5,262.91	3/4	4,929.72	3/4	4,575.61	3/4	4,205.95	3/4	3,820.61	3/4	3,432.53	3/4	3,046.45	3/4	2,660.37	3/4	2,274.29	3/4	1,888.13	3/4	1,884.13	3/4	1,884.13	3/4	1,884.13	3/4	1,884.13	3/4	1,884.13	3/4	1,884.13	3/4	1,884.13	3/4	1,884.13	3/4	1,884.13
1	1	5,257.37	1	4,921.53	1	4,568.04	1	4,198.06	1	3,812.53	1	3,424.45	1	3,038.37	1	2,652.29	1	2,266.21	1	1,880.05	1	1,876.05	1	1,876.05	1	1,876.05	1	1,876.05	1	1,876.05	1	1,876.05	1	1,876.05	1	1,876.05	1	1,876.05
1/4	1/4	5,251.83	1/4	4,914.34	1/4	4,560.58	1/4	4,190.18	1/4	3,804.44	1/4	3,416.36	1/4	3,030.28	1/4	2,644.20	1/4	2,258.12	1/4	1,871.96	1/4	1,867.96	1/4	1,867.96	1/4	1,867.96	1/4	1,867.96	1/4	1,867.96	1/4	1,867.96	1/4	1,867.96	1/4	1,867.96	1/4	1,867.96
1/2	1/2	5,246.29	1/2	4,907.15	1/2	4,553.01	1/2	4,182.30	1/2	3,796.36	1/2	3,408.28	1/2	3,022.20	1/2	2,636.12	1/2	2,250.04	1/2	1,864.88	1/2	1,860.88	1/2	1,860.88	1/2	1,860.88	1/2	1,860.88	1/2	1,860.88	1/2	1,860.88	1/2	1,860.88	1/2	1,860.88	1/2	1,860.88
3/4	3/4	5,239.95	3/4	4,899.96	3/4	4,545.47	3/4	4,174.42	3/4	3,786.27	3/4	3,398.19	3/4	3,012.11	3/4	2,626.03	3/4	2,240.95	3/4	1,859.79	3/4	1,855.79	3/4	1,855.79	3/4	1,855.79	3/4	1,855.79	3/4	1,855.79	3/4	1,855.79	3/4	1,855.79	3/4	1,855.79	3/4	1,855.79
1	1	5,231.00	1	4,892.77	1	4,537.93	1	4,166.54	1	3,778.19	1	3,392.11	1	3,006.03	1	2,613.87	1	2,227.79	1	1,853.63	1	1,849.63	1	1,849.63	1	1,849.63	1	1,849.63	1	1,849.63	1	1,849.63	1	1,849.63	1	1,849.63	1	1,849.63
1/4	1/4	5,224.56	1/4	4,885.58	1/4	4,530.40	1/4	4,158.66	1/4	3,770.10	1/4	3,384.02	1/4	2,997.94	1/4	2,605.78	1/4	2,221.70	1/4	1,842.54	1/4	1,838.54	1/4	1,838.54	1/4	1,838.54	1/4	1,838.54	1/4	1,838.54	1/4	1,838.54	1/4	1,838.54	1/4	1,838.54	1/4	1,838.54
1/2	1/2	5,217.31	1/2	4,879.38	1/2	4,522.86	1/2	4,152.81	1/2	3,764.92	1/2	3,378.84	1/2	2,992.76	1/2	2,600.60	1/2	2,216.52	1/2	1,831.38	1/2	1,827.38	1/2	1,827.38	1/2	1,827.38	1/2	1,827.38	1/2	1,827.38	1/2	1,827.38	1/2	1,827.38	1/2	1,827.38	1/2	1,827.38
3/4	3/4	5,210.38	3/4	4,871.11	3/4	4,515.24	3/4	4,142.81	3/4	3,756.93	3/4	3,370.85	3/4	2,984.77	3/4	2,592.61	3/4	2,208.53	3/4	1,820.38	3/4	1,816.38	3/4	1,816.38	3/4	1,816.38	3/4	1,816.38	3/4	1,816.38	3/4	1,816.38	3/4	1,816.38	3/4	1,816.38	3/4	1,816.38
1	1	5,203.45	1	4,863.83	1	4,507.62	1	4,134.84	1	3,747.85	1	3,361.77	1	2,975.69	1	2,583.53	1	2,199.45	1	1,808.31	1	1,804.31	1	1,804.31	1	1,804.31	1	1,804.31	1	1,804.31	1	1,804.31	1	1,804.31	1	1,804.31	1	1,804.31
1/4	1/4	5,196.52	1/4	4,856.36	1/4	4,500.00	1/4	4,126.88	1/4	3,740.86	1/4	3,354.78	1/4	2,968.70	1/4	2,576.54	1/4	2,192.46	1/4	1,791.32	1/4	1,787.32	1/4	1,787.32	1/4	1,787.32	1/4	1,787.32	1/4	1,787.32	1/4	1,787.32	1/4	1,787.32	1/4	1,787.32	1/4	1,787.32
1/2	1/2	5,189.59	1/2	4,849.28	1/2	4,492.37	1/2	4,118.91	1/2	3,733.68	1/2	3,347.60	1/2	2,961.52	1/2	2,569.36	1/2	2,185.28	1/2	1,774.14	1/2	1,770.14	1/2	1,770.14	1/2	1,770.14	1/2	1,770.14	1/2	1,770.14	1/2	1,770.14	1/2	1,770.14	1/2	1,770.14	1/2	1,770.14
3/4	3/4	5,182.65	3/4	4,842.00	3/4	4,484.75	3/4	4,110.94	3/4	3,725.51	3/4	3,339.43	3/4	2,953.35	3/4	2,561.19	3/4	2,185.01	3/4	1,765.00	3/4	1,761.00	3/4	1,761.00	3/4	1,761.00	3/4	1,761.00	3/4	1,761.00	3/4	1,761.00	3/4	1,761.00	3/4	1,761.00	3/4	1,761.00
1	1	5,175.72	1	4,834.72	1	4,477.13	1	4,102.98	1	3,715.51	1	3,331.35	1	2,945.27	1	2,553.11	1	2,176.93	1	1,756.92	1	1,752.92	1	1,752.92	1	1,752.92	1	1,752.92	1	1,752.92	1	1,752.92	1	1,752.92	1	1,752.92	1	1,752.92
1/4	1/4	5,168.79	1/4	4,827.45	1/4	4,469.51	1/4	4,095.01	1/4	3,707.42	1/4	3,319.34	1/4	2,933.30	1/4	2,541.14	1/4	2,165.06	1/4	1,745.05	1/4	1,741.05	1/4	1,741.05	1/4	1,741.05	1/4	1,741.05	1/4	1,741.05	1/4	1,741.05	1/4	1,741.05	1/4	1,741.05	1/4	1,741.05
1/2	1/2	5,161.86	1/2	4,820.17	1/2	4,461.89	1/2	4,087.04	1/2	3,699.34	1/2	3,311.26	1/2	2,927.20	1/2	2,535.04	1/2	2,158.96	1/2	1,735.95	1/2	1,731.95	1/2	1,731.95	1/2	1,731.95	1/2	1,731.95	1/2	1,731.95	1/2	1,731.95	1/2	1,731.95	1/2	1,731.95	1/2	1,731.95
3/4	3/4	5,154.83	3/4	4,812.89	3/4	4,454.26	3/4	4,079.08	3/4	3,691.25	3/4	3,303.17	3/4	2,915.09	3/4	2,522.93	3/4	2,150.85	3/4	1,723.84	3/4	1,719.84	3/4	1,719.84	3/4	1,719.84	3/4	1,719.84	3/4	1,719.84	3/4	1,719.84	3/4	1,719.84	3/4	1,719.84	3/4	1,719.84
1	1	5,147.99	1	4,805.62	1	4,446.64	1	4,071.11	1	3,683.17	1	3,295.09	1	2,900.91	1	2,508.75	1	2,132.67	1	1,711.66	1	1,707.66	1	1,707.66	1	1,707.66	1	1,707.66	1	1,707.66	1	1,707.66	1	1,707.66	1	1,707.66	1	1,707.66
1/4	1/4	5,141.06	1/4	4,798.34	1/4	4,439.02	1/4	4,053.14	1/4	3,675.06	1/4	3,287.98	1/4	2,893.80	1/4	2,501.64	1/4	2,125.56	1/4	1,704.55	1/4	1,700.55	1/4	1,700.55	1/4	1,700.55	1/4	1,700.55	1/4	1,700.55	1/4	1,700.55	1/4	1,700.55	1/4	1,700.55	1/4	1,700.55
1/2	1/2	5,134.13	1/2	4,791.06	1/2	4,431.40	1/2	4,045.17	1/2	3,667.00	1/2	3,279.92	1/2	2,885.74	1/2	2,493.58	1/2	2,117.50	1/2	1,696.49	1/2	1,692.49	1/2	1,692.49	1/2	1,692.49	1/2	1,692.49	1/2	1,692.49	1/2	1,692.49	1/2	1,692.49	1/2	1,692.49	1/2	1,692.49
3/4	3/4	5,127.11	3/4	4,783.70	3/4	4,423.69	3/4	4,037.08	3/4	3,658.91	3/4	3,271.83	3/4	2,879.67	3/4	2,487.51	3/4	2,111.43	3/4	1,685.44	3/4	1,681.44	3/4	1,681.44	3/4	1,681.44	3/4	1,681.44	3/4	1,681.44	3/4	1,681.44	3/4	1,681.44	3/4	1,681.44	3/4	1,681.44
1	1	5,120.09	1	4,776.33	1	4,415.98	1	4,030.99	1	3,650.83	1	3,263.75	1	2,871.61	1	2,479.45	1	2,103.37	1	1,673.36	1	1,669.36	1	1,669.36	1	1,669.36	1	1,669.36	1	1,669.36	1	1,669.36	1	1,669.36	1	1,669.36	1	1,669.36
1/4	1/4	5,113.08	1/4	4,769.97	1/4	4,408.27	1/4	4,015.99	1/4	3,642.74	1/4	3,255.66	1/4	2,863.52	1/4	2,471.36	1/4	2,095.28	1/4	1,651.35	1/4	1,647.35	1/4	1,647.35	1/4	1,647.35	1/4	1,647.35	1/4	1,647.35	1/4	1,647.35	1/4	1,647.35	1/4	1,647.35	1/4	1,647.35
1/2	1/2	5,106.06	1/2	4,761.61	1/2	4,400.56	1/2	4,002.80	1/2	3,634.66	1/2	3,248.58	1/2	2,859.40	1/2	2,467.24	1/2	2,091.16	1/2	1,639.15	1/2	1,635.15	1/2	1,635.15	1/2	1,635.15	1/2	1,635.15	1/2	1,635.15	1/2	1,635.15	1/2	1,635.15	1/2	1,635.15	1/2	1,635.15
3/4	3/4	5,099.04	3/4	4,754.24	3/4	4,392.85	3/4	4,014.71	3/4	3,626.57	3/4	3,240.49	3/4	2,852.33	3/4	2,460.17	3/4	2,084.09	3/4	1,627.08	3/4	1,623.08	3/4	1,623.08	3/4	1,623.08	3/4	1,623.08	3/4	1,623.08	3/4	1,623.08	3/4	1,623.08	3/4	1,623.08	3/4	1,623.08
1	1	5,092.02	1	4,746.88	1	4,385.14	1	4,006.62	1	3,618.49	1	3,232.41	1	2,844.25	1	2,452.09	1	2,075.91	1	1,614.90	1	1,610.90	1	1,610.90	1	1,610.90	1	1,610.90	1	1,610.90	1	1,610.90	1	1,610.90	1	1,610.90	1	1,610.90
1/4	1/4	5,085.00	1/4	4,739.51	1/4	4,377.44	1/4	3,998.52	1/4	3,610.40	1/4	3,222.32	1/4	2,834.16	1/4	2,442.00</																						



BARGE "EMS 315"
Enterprise Marine Services LLC

OUTAGE TABLE

3 PORT OR STAR

HULL NO. 149

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.
0	4.559.55	4.327.53	4.076.83	3.814.31	3.540.48	3.222.23	2.850.45	2.498.68	2.136.90	1.775.12	1.413.35	1.051.57	689.80	328.02
1/4	4.556.82	4.322.41	4.071.46	3.808.69	3.524.94	3.214.69	2.852.91	2.491.14	2.129.36	1.767.59	1.405.81	1.044.03	682.26	320.48
1/2	4.554.09	4.317.29	4.066.10	3.803.08	3.528.96	3.207.15	2.846.38	2.484.61	2.122.83	1.761.05	1.398.27	1.038.50	674.72	312.95
3/4	4.551.36	4.312.17	4.060.73	3.797.47	3.526.96	3.195.62	2.833.84	2.472.06	2.111.29	1.759.51	1.385.14	1.034.96	667.12	305.41
1	4.546.20	4.307.05	4.055.36	3.786.24	3.517.43	3.182.08	2.820.30	2.460.99	2.099.21	1.744.98	1.383.20	1.021.42	659.15	297.87
1 1/4	4.542.25	4.301.93	4.049.99	3.776.94	3.514.66	3.178.34	2.813.77	2.458.32	2.095.21	1.741.44	1.379.66	1.018.89	651.11	290.33
1 1/2	4.538.31	4.296.61	4.044.63	3.770.63	3.511.99	3.175.01	2.810.23	2.455.45	2.091.68	1.739.90	1.376.99	1.016.35	647.57	282.80
1 3/4	4.533.15	4.291.69	4.039.26	3.775.01	3.508.12	3.170.54	2.807.89	2.452.58	2.088.14	1.737.22	1.374.31	1.013.81	644.54	275.26
2	4.527.99	4.286.57	4.033.89	3.769.40	3.504.96	3.165.93	2.802.60	2.449.38	2.084.14	1.732.36	1.371.64	1.011.28	641.51	267.72
2 1/4	4.522.83	4.281.45	4.028.53	3.763.79	3.501.79	3.163.26	2.800.07	2.446.51	2.081.53	1.729.79	1.368.97	1.008.74	638.48	260.19
2 1/2	4.517.67	4.276.33	4.023.16	3.758.18	3.498.62	3.160.59	2.797.40	2.443.64	2.078.92	1.727.12	1.366.30	1.006.20	635.45	252.65
2 3/4	4.512.51	4.271.15	4.017.73	3.752.50	3.495.46	3.157.92	2.794.73	2.440.77	2.076.31	1.724.45	1.363.63	1.003.67	632.42	245.11
3	4.507.35	4.266.07	4.012.30	3.746.83	3.492.29	3.155.25	2.792.06	2.437.90	2.073.70	1.721.78	1.360.96	1.001.13	629.39	237.58
3 1/4	4.502.19	4.260.94	4.006.87	3.741.15	3.489.12	3.152.58	2.789.39	2.435.03	2.071.09	1.719.11	1.358.29	998.60	626.36	230.04
3 1/2	4.497.03	4.255.81	4.001.44	3.735.48	3.485.95	3.149.91	2.786.72	2.432.16	2.068.48	1.716.44	1.355.62	995.95	623.33	222.50
3 3/4	4.491.87	4.250.65	3.996.01	3.729.80	3.482.78	3.147.24	2.784.05	2.429.29	2.065.87	1.713.77	1.352.95	993.30	620.30	214.96
4	4.486.71	4.245.49	3.990.59	3.724.13	3.479.61	3.144.57	2.781.38	2.426.42	2.063.26	1.711.10	1.350.28	990.65	617.27	207.43
4 1/4	4.481.55	4.240.32	3.985.16	3.718.46	3.476.44	3.141.90	2.778.71	2.423.55	2.060.65	1.708.43	1.347.61	988.00	614.24	199.89
4 1/2	4.476.39	4.235.16	3.979.73	3.712.78	3.473.27	3.139.23	2.776.04	2.420.68	2.058.04	1.705.76	1.344.94	985.35	611.21	192.35
4 3/4	4.471.23	4.230.00	3.974.30	3.707.10	3.470.10	3.136.56	2.773.37	2.417.81	2.055.43	1.703.09	1.342.27	982.70	608.18	184.82
5	4.466.07	4.224.84	3.968.87	3.701.43	3.466.93	3.133.89	2.770.70	2.415.14	2.052.82	1.700.42	1.339.60	980.05	605.15	177.28
5 1/4	4.460.91	4.219.68	3.963.44	3.695.75	3.463.76	3.131.22	2.768.03	2.412.47	2.050.21	1.697.75	1.336.93	977.40	602.12	169.74
5 1/2	4.455.75	4.214.52	3.958.01	3.690.08	3.460.59	3.128.55	2.765.36	2.409.80	2.047.60	1.695.08	1.334.26	974.75	599.09	162.21
5 3/4	4.450.59	4.209.36	3.952.58	3.684.41	3.457.42	3.125.88	2.762.69	2.407.13	2.044.99	1.692.41	1.331.59	972.10	596.06	154.67
6	4.445.43	4.204.20	3.947.15	3.678.80	3.454.25	3.123.21	2.760.02	2.404.46	2.042.32	1.689.74	1.328.92	969.45	593.03	147.13
6 1/4	4.440.27	4.199.04	3.941.72	3.673.19	3.451.08	3.120.54	2.757.35	2.401.79	2.039.65	1.687.07	1.326.25	966.80	590.00	139.59
6 1/2	4.435.11	4.193.88	3.936.29	3.667.58	3.447.91	3.117.87	2.754.68	2.399.12	2.036.98	1.684.40	1.323.58	964.15	586.97	132.06
6 3/4	4.429.95	4.188.72	3.930.86	3.661.97	3.444.74	3.115.20	2.752.01	2.396.45	2.034.31	1.681.73	1.320.91	961.50	583.94	124.52
7	4.424.79	4.183.56	3.925.43	3.656.36	3.441.57	3.112.53	2.749.34	2.393.78	2.031.64	1.679.06	1.318.24	958.85	580.91	116.98
7 1/4	4.419.63	4.178.40	3.920.00	3.650.75	3.438.40	3.109.86	2.746.67	2.391.11	2.028.97	1.676.39	1.315.57	956.20	577.88	109.45
7 1/2	4.414.47	4.173.24	3.914.57	3.645.14	3.435.23	3.107.19	2.744.00	2.388.44	2.026.30	1.673.72	1.312.90	953.55	574.85	101.91
7 3/4	4.409.31	4.168.08	3.909.14	3.639.53	3.432.06	3.104.52	2.741.33	2.385.77	2.023.63	1.671.05	1.310.23	950.90	571.82	94.37
8	4.404.15	4.162.92	3.903.71	3.633.92	3.428.89	3.101.85	2.738.66	2.383.10	2.020.96	1.668.38	1.307.56	948.25	568.79	86.84
8 1/4	4.398.99	4.157.76	3.898.28	3.628.31	3.425.72	3.099.18	2.736.00	2.380.43	2.018.29	1.665.71	1.304.89	945.60	565.76	79.30
8 1/2	4.393.83	4.152.60	3.892.85	3.622.70	3.422.55	3.096.51	2.733.33	2.377.76	2.015.62	1.663.04	1.302.22	942.95	562.73	71.76
8 3/4	4.388.67	4.147.44	3.887.42	3.617.09	3.419.38	3.093.84	2.730.66	2.375.09	2.012.95	1.660.37	1.299.55	940.30	559.70	64.22
9	4.383.51	4.142.28	3.881.99	3.611.48	3.416.21	3.091.17	2.728.00	2.372.42	2.010.28	1.657.70	1.296.88	937.65	556.67	56.68
9 1/4	4.378.35	4.137.12	3.876.56	3.605.87	3.413.04	3.088.50	2.725.33	2.369.75	2.007.61	1.655.03	1.294.21	935.00	553.64	49.14
9 1/2	4.373.19	4.131.96	3.871.13	3.600.26	3.409.87	3.085.83	2.722.66	2.367.08	2.004.94	1.652.36	1.291.54	932.35	550.61	41.60
9 3/4	4.368.03	4.126.80	3.865.70	3.594.65	3.406.70	3.083.16	2.720.00	2.364.41	2.002.27	1.649.69	1.288.87	929.70	547.58	34.06
10	4.362.87	4.121.64	3.860.27	3.589.04	3.403.53	3.080.49	2.717.33	2.361.74	1.999.60	1.647.02	1.286.20	927.05	544.55	26.52
10 1/4	4.357.71	4.116.48	3.854.84	3.583.43	3.400.36	3.077.82	2.714.66	2.359.07	1.996.93	1.644.35	1.283.53	924.40	541.52	18.98
10 1/2	4.352.55	4.111.32	3.849.41	3.577.82	3.397.19	3.075.15	2.712.00	2.356.40	1.994.26	1.641.68	1.280.86	921.75	538.49	11.44
10 3/4	4.347.39	4.106.16	3.843.98	3.572.21	3.394.02	3.072.48	2.709.33	2.353.73	1.991.59	1.639.01	1.278.19	919.10	535.46	3.90
11	4.342.23	4.101.00	3.838.55	3.566.60	3.390.85	3.069.81	2.706.66	2.351.06	1.988.92	1.636.34	1.275.52	916.45	532.43	-16.95
11 1/4	4.337.07	4.095.84	3.833.12	3.561.00	3.387.68	3.067.14	2.704.00	2.348.39	1.986.25	1.633.67	1.272.85	913.80	529.40	-34.41
11 1/2	4.331.91	4.090.68	3.827.69	3.555.39	3.384.51	3.064.47	2.701.33	2.345.72	1.983.58	1.631.00	1.270.18	911.15	526.37	-51.87
11 3/4	4.326.75	4.085.52	3.823.26	3.549.73	3.381.34	3.061.80	2.698.66	2.343.05	1.980.91	1.628.33	1.267.51	908.50	523.34	-69.33
12	4.321.59	4.080.36	3.818.83	3.544.12	3.378.17	3.059.13	2.696.00	2.340.38	1.978.24	1.625.66	1.264.84	905.85	520.31	-86.79
12 1/4	4.316.43	4.075.20	3.814.40	3.538.51	3.375.00	3.056.46	2.693.33	2.337.71	1.975.57	1.622.99	1.262.17	903.20	517.28	-104.25
12 1/2	4.311.27	4.069.04	3.809.97	3.532.90	3.371.83	3.053.79	2.690.66	2.335.04	1.972.90	1.620.32	1.259.50	900.55	514.25	-121.71
12 3/4	4.306.11	4.063.88	3.805.54	3.527.29	3.368.66	3.051.12	2.688.00	2.332.37	1.970.23	1.617.65	1.256.83	897.90	511.22	-139.17
13	4.300.95	4.058.72	3.801.11	3.521.68	3.365.49	3.048.45	2.685.33	2.329.70	1.967.56	1.614.98	1.254.16	895.25	508.19	-156.63
13 1/4	4.295.79	4.053.56	3.796.68	3.516.07	3.362.32	3.045.78	2.682.66	2.327.03	1.964.89	1.612.31	1.251.49	892.60	505.16	-174.09
13 1/2	4.290.63	4.048.40	3.792.25	3.510.46	3.359.15	3.043.11	2.680.00	2.324.36	1.962.22	1.609.64	1.248.82	889.95	502.13	-191.55
13 3/4	4.285.47	4.043.24	3.787.82	3.504.85	3.355.52	3.040.44	2.677.33	2.321.69	1.959.55	1.606.97	1.246.15	887.30	499.10	-209.01
14	4.280.31	4.038.08	3.783.39	3.500.00	3.351.85	3.037.77	2.674.66	2.319.02	1.956.88	1.604.30	1.243.48	884.65	496.07	-226.47
14 1/4	4.275.15	4.032.92	3.778.96	3.495.15										