



# BARGE "DBL 704"

**PORT  
HORIZONTAL**

**INNAGE TABLE  
BERGAN GAUGE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.12	0	214.05	0	598.18	0	1,083.41	0	1,641.16	0	2,253.20	0	2,905.67	0	3,587.02	0	4,287.00	0	4,996.14
1/4	1.42	1/4	220.79	1/4	607.45	1/4	1,094.41	1/4	1,653.44	1/4	2,266.45	1/4	2,919.63	1/4	3,601.45	1/4	4,301.72	1/4	5,010.95
1/2	2.72	1/2	227.52	1/2	616.72	1/2	1,105.41	1/2	1,665.73	1/2	2,279.70	1/2	2,933.59	1/2	3,615.89	1/2	4,316.44	1/2	5,025.75
3/4	4.02	3/4	234.26	3/4	625.99	3/4	1,116.41	3/4	1,678.01	3/4	2,292.95	3/4	2,947.54	3/4	3,630.33	3/4	4,331.16	3/4	5,040.56
1	5.32	1	240.99	1	635.26	1	1,127.41	1	1,690.30	1	2,306.20	1	2,961.50	1	3,644.77	1	4,345.88	1	5,055.36
1/4	7.70	1/4	247.98	1/4	644.70	1/4	1,138.53	1/4	1,702.68	1/4	2,319.52	1/4	2,975.50	1/4	3,659.24	1/4	4,360.61	1/4	5,070.17
1/2	10.08	1/2	254.97	1/2	654.14	1/2	1,149.65	1/2	1,715.05	1/2	2,332.84	1/2	2,989.51	1/2	3,673.71	1/2	4,375.34	1/2	5,084.97
3/4	12.46	3/4	261.96	3/4	663.58	3/4	1,160.78	3/4	1,727.43	3/4	2,346.16	3/4	3,003.51	3/4	3,688.18	3/4	4,390.07	3/4	5,099.78
2	14.83	2	268.95	2	673.02	2	1,171.90	2	1,739.81	2	2,359.48	2	3,017.51	2	3,702.65	2	4,404.81	2	5,114.58
1/4	17.91	1/4	276.20	1/4	682.62	1/4	1,183.14	1/4	1,752.27	1/4	2,372.86	1/4	3,031.57	1/4	3,717.15	1/4	4,419.55	1/4	5,129.38
1/2	20.99	1/2	283.46	1/2	692.22	1/2	1,194.38	1/2	1,764.74	1/2	2,386.24	1/2	3,045.62	1/2	3,731.65	1/2	4,434.30	1/2	5,144.18
3/4	24.06	3/4	290.72	3/4	701.82	3/4	1,205.62	3/4	1,777.21	3/4	2,399.63	3/4	3,059.67	3/4	3,746.15	3/4	4,449.04	3/4	5,158.98
3	27.14	3	297.97	3	711.41	3	1,216.86	3	1,789.67	3	2,413.01	3	3,073.72	3	3,760.64	3	4,463.79	3	5,173.78
1/4	30.78	1/4	305.49	1/4	721.17	1/4	1,228.22	1/4	1,802.23	1/4	2,426.46	1/4	3,087.82	1/4	3,775.17	1/4	4,478.55	1/4	5,188.58
1/2	34.42	1/2	313.00	1/2	730.93	1/2	1,239.58	1/2	1,814.78	1/2	2,439.91	1/2	3,101.91	1/2	3,789.70	1/2	4,493.31	1/2	5,203.38
3/4	38.06	3/4	320.52	3/4	740.69	3/4	1,250.93	3/4	1,827.33	3/4	2,453.36	3/4	3,116.01	3/4	3,804.23	3/4	4,508.06	3/4	5,218.18
4	41.70	4	328.03	4	750.44	4	1,262.29	4	1,839.89	4	2,466.81	4	3,130.11	4	3,818.75	4	4,522.82	4	5,232.97
1/4	45.82	1/4	335.77	1/4	760.35	1/4	1,273.76	1/4	1,852.53	1/4	2,480.32	1/4	3,144.25	1/4	3,833.31	1/4	4,537.59	1/4	5,247.77
1/2	49.94	1/2	343.51	1/2	770.26	1/2	1,285.23	1/2	1,865.17	1/2	2,493.83	1/2	3,158.39	1/2	3,847.86	1/2	4,552.36	1/2	5,262.56
3/4	54.07	3/4	351.25	3/4	780.17	3/4	1,296.70	3/4	1,877.80	3/4	2,507.34	3/4	3,172.53	3/4	3,862.41	3/4	4,567.13	3/4	5,277.35
5	58.19	5	358.99	5	790.08	5	1,308.17	5	1,890.44	5	2,520.86	5	3,186.67	5	3,876.97	5	4,581.89	5	5,292.14
1/4	62.74	1/4	366.94	1/4	800.14	1/4	1,319.75	1/4	1,903.17	1/4	2,534.43	1/4	3,200.85	1/4	3,891.55	1/4	4,596.67	1/4	5,306.93
1/2	67.30	1/2	374.89	1/2	810.20	1/2	1,331.33	1/2	1,915.89	1/2	2,548.00	1/2	3,215.03	1/2	3,906.13	1/2	4,611.45	1/2	5,321.71
3/4	71.85	3/4	382.85	3/4	820.26	3/4	1,342.91	3/4	1,928.61	3/4	2,561.57	3/4	3,229.22	3/4	3,920.70	3/4	4,626.23	3/4	5,336.50
6	76.40	6	390.80	6	830.32	6	1,354.50	6	1,941.33	6	2,575.15	6	3,243.40	6	3,935.28	6	4,641.00	6	5,351.28
1/4	81.35	1/4	398.96	1/4	840.52	1/4	1,366.18	1/4	1,954.13	1/4	2,588.78	1/4	3,257.62	1/4	3,949.89	1/4	4,655.79	1/4	5,366.06
1/2	86.29	1/2	407.12	1/2	850.72	1/2	1,377.87	1/2	1,966.94	1/2	2,602.41	1/2	3,271.85	1/2	3,964.49	1/2	4,670.58	1/2	5,380.84
3/4	91.23	3/4	415.28	3/4	860.93	3/4	1,389.56	3/4	1,979.74	3/4	2,616.05	3/4	3,286.07	3/4	3,979.09	3/4	4,685.36	3/4	5,395.62
7	96.18	7	423.44	7	871.13	7	1,401.25	7	1,992.54	7	2,629.68	7	3,300.29	7	3,993.70	7	4,700.15	7	5,410.39
1/4	101.48	1/4	431.80	1/4	881.48	1/4	1,413.04	1/4	2,005.43	1/4	2,643.37	1/4	3,314.56	1/4	4,008.32	1/4	4,714.94	1/4	5,425.16
1/2	106.78	1/2	440.17	1/2	891.82	1/2	1,424.84	1/2	2,018.31	1/2	2,657.06	1/2	3,328.82	1/2	4,022.95	1/2	4,729.73	1/2	5,439.93
3/4	112.08	3/4	448.53	3/4	902.17	3/4	1,436.63	3/4	2,031.19	3/4	2,670.75	3/4	3,343.08	3/4	4,037.57	3/4	4,744.52	3/4	5,454.70
8	117.38	8	456.89	8	912.51	8	1,448.43	8	2,044.07	8	2,684.44	8	3,357.35	8	4,052.20	8	4,759.31	8	5,469.47
1/4	122.99	1/4	465.44	1/4	922.99	1/4	1,460.32	1/4	2,057.03	1/4	2,698.19	1/4	3,371.65	1/4	4,066.85	1/4	4,774.11	1/4	5,484.22
1/2	128.60	1/2	474.00	1/2	933.48	1/2	1,472.22	1/2	2,069.99	1/2	2,711.93	1/2	3,385.95	1/2	4,081.49	1/2	4,788.91	1/2	5,498.98
3/4	134.21	3/4	482.55	3/4	943.96	3/4	1,484.12	3/4	2,082.95	3/4	2,725.68	3/4	3,400.25	3/4	4,096.14	3/4	4,803.71	3/4	5,513.74
9	139.82	9	491.11	9	954.44	9	1,496.02	9	2,095.91	9	2,739.43	9	3,414.55	9	4,110.79	9	4,818.50	9	5,528.50
1/4	145.72	1/4	499.85	1/4	965.06	1/4	1,508.01	1/4	2,108.95	1/4	2,753.23	1/4	3,428.89	1/4	4,125.45	1/4	4,833.30	1/4	5,543.24
1/2	151.62	1/2	508.59	1/2	975.68	1/2	1,520.01	1/2	2,121.98	1/2	2,767.03	1/2	3,443.22	1/2	4,140.12	1/2	4,848.11	1/2	5,557.99
3/4	157.51	3/4	517.33	3/4	986.29	3/4	1,532.01	3/4	2,135.02	3/4	2,780.83	3/4	3,457.56	3/4	4,154.79	3/4	4,862.91	3/4	5,572.73
10	163.41	10	526.08	10	996.91	10	1,544.01	10	2,148.05	10	2,794.63	10	3,471.90	10	4,169.45	10	4,877.71	10	5,587.48
1/4	169.60	1/4	535.00	1/4	1,007.66	1/4	1,556.10	1/4	2,161.16	1/4	2,808.49	1/4	3,486.27	1/4	4,184.14	1/4	4,892.51	1/4	5,602.21
1/2	175.79	1/2	543.93	1/2	1,018.41	1/2	1,568.20	1/2	2,174.27	1/2	2,822.34	1/2	3,500.65	1/2	4,198.82	1/2	4,907.32	1/2	5,616.95
3/4	181.98	3/4	552.85	3/4	1,029.16	3/4	1,580.29	3/4	2,187.38	3/4	2,836.20	3/4	3,515.02	3/4	4,213.51	3/4	4,922.12	3/4	5,631.68
11	188.17	11	561.77	11	1,039.90	11	1,592.39	11	2,200.48	11	2,850.05	11	3,529.39	11	4,228.19	11	4,936.92	11	5,646.41
1/4	194.64	1/4	570.87	1/4	1,050.78	1/4	1,604.58	1/4	2,213.66	1/4	2,863.96	1/4	3,543.80	1/4	4,242.90	1/4	4,951.73	1/4	5,661.13
1/2	201.11	1/2	579.98	1/2	1,061.66	1/2	1,616.77	1/2	2,226.84	1/2	2,877.86	1/2	3,558.20	1/2	4,257.60	1/2	4,966.53	1/2	5,675.85
3/4	207.58	3/4	589.08	3/4	1,072.53	3/4	1,628.97	3/4	2,240.02	3/4	2,891.77	3/4	3,572.61	3/4	4,272.30	3/4	4,981.34	3/4	5,690.57

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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# BARGE "DBL 704"

## PORT HORIZONTAL INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	5,705.28	0	6,405.27	0	7,086.61	0	7,739.08	0	8,351.13	0	8,908.88	0	9,394.11	0	9,778.76	0	9,993.41	0	
1/4	5,719.99	1/4	6,419.68	1/4	7,100.52	1/4	7,752.26	1/4	8,363.32	1/4	8,919.76	1/4	9,403.21	1/4	9,785.28	1/4		1/4	
1/2	5,734.69	1/2	6,434.08	1/2	7,114.43	1/2	7,765.44	1/2	8,375.51	1/2	8,930.63	1/2	9,412.31	1/2	9,791.80	1/2		1/2	
3/4	5,749.39	3/4	6,448.49	3/4	7,128.33	3/4	7,778.62	3/4	8,387.71	3/4	8,941.51	3/4	9,421.41	3/4	9,798.32	3/4		3/4	
1	5,764.09	1	6,462.90	1	7,142.24	1	7,791.80	1	8,399.90	1	8,952.38	1	9,430.51	1	9,804.85	1		1	
1/4	5,778.78	1/4	6,477.27	1/4	7,156.09	1/4	7,804.91	1/4	8,411.99	1/4	8,963.13	1/4	9,439.44	1/4	9,811.09	1/4		1/4	
1/2	5,793.46	1/2	6,491.64	1/2	7,169.95	1/2	7,818.02	1/2	8,424.09	1/2	8,973.88	1/2	9,448.36	1/2	9,817.33	1/2		1/2	
3/4	5,808.15	3/4	6,506.01	3/4	7,183.80	3/4	7,831.13	3/4	8,436.18	3/4	8,984.63	3/4	9,457.29	3/4	9,823.57	3/4		3/4	
2	5,822.84	2	6,520.39	2	7,197.66	2	7,844.24	2	8,448.28	2	8,995.38	2	9,466.21	2	9,829.82	2		2	
1/4	5,837.50	1/4	6,534.73	1/4	7,211.46	1/4	7,857.27	1/4	8,460.28	1/4	9,005.99	1/4	9,474.95	1/4	9,835.76	1/4		1/4	
1/2	5,852.17	1/2	6,549.06	1/2	7,225.26	1/2	7,870.31	1/2	8,472.28	1/2	9,016.61	1/2	9,483.70	1/2	9,841.71	1/2		1/2	
3/4	5,866.84	3/4	6,563.40	3/4	7,239.06	3/4	7,883.34	3/4	8,484.27	3/4	9,027.23	3/4	9,492.44	3/4	9,847.66	3/4		3/4	
3	5,881.50	3	6,577.74	3	7,252.86	3	7,896.38	3	8,496.27	3	9,037.84	3	9,501.18	3	9,853.61	3		3	
1/4	5,896.15	1/4	6,592.04	1/4	7,266.61	1/4	7,909.34	1/4	8,508.17	1/4	9,048.33	1/4	9,509.74	1/4	9,859.24	1/4		1/4	
1/2	5,910.80	1/2	6,606.34	1/2	7,280.35	1/2	7,922.30	1/2	8,520.07	1/2	9,058.81	1/2	9,518.29	1/2	9,864.88	1/2		1/2	
3/4	5,925.44	3/4	6,620.64	3/4	7,294.10	3/4	7,935.26	3/4	8,531.96	3/4	9,069.29	3/4	9,526.85	3/4	9,870.52	3/4		3/4	
4	5,940.09	4	6,634.94	4	7,307.85	4	7,948.21	4	8,543.86	4	9,079.78	4	9,535.40	4	9,876.15	4		4	
1/4	5,954.71	1/4	6,649.21	1/4	7,321.54	1/4	7,961.10	1/4	8,555.65	1/4	9,090.12	1/4	9,543.76	1/4	9,881.45	1/4		1/4	
1/2	5,969.34	1/2	6,663.47	1/2	7,335.23	1/2	7,973.98	1/2	8,567.45	1/2	9,100.47	1/2	9,552.12	1/2	9,886.76	1/2		1/2	
3/4	5,983.97	3/4	6,677.73	3/4	7,348.92	3/4	7,986.86	3/4	8,579.24	3/4	9,110.81	3/4	9,560.49	3/4	9,892.06	3/4		3/4	
5	5,998.59	5	6,691.99	5	7,362.61	5	7,999.74	5	8,591.04	5	9,121.16	5	9,568.85	5	9,897.36	5		5	
1/4	6,013.19	1/4	6,706.22	1/4	7,376.24	1/4	8,012.55	1/4	8,602.73	1/4	9,131.36	1/4	9,577.01	1/4	9,902.30	1/4		1/4	
1/2	6,027.80	1/2	6,720.44	1/2	7,389.87	1/2	8,025.35	1/2	8,614.41	1/2	9,141.56	1/2	9,585.17	1/2	9,907.25	1/2		1/2	
3/4	6,042.40	3/4	6,734.67	3/4	7,403.51	3/4	8,038.15	3/4	8,626.10	3/4	9,151.77	3/4	9,593.33	3/4	9,912.19	3/4		3/4	
6	6,057.00	6	6,748.89	6	7,417.14	6	8,050.96	6	8,637.79	6	9,161.97	6	9,601.49	6	9,917.13	6		6	
1/4	6,071.58	1/4	6,763.07	1/4	7,430.71	1/4	8,063.68	1/4	8,649.37	1/4	9,172.03	1/4	9,609.44	1/4	9,921.69	1/4		1/4	
1/2	6,086.16	1/2	6,777.25	1/2	7,444.29	1/2	8,076.40	1/2	8,660.95	1/2	9,182.09	1/2	9,617.40	1/2	9,926.24	1/2		1/2	
3/4	6,100.74	3/4	6,791.44	3/4	7,457.86	3/4	8,089.12	3/4	8,672.53	3/4	9,192.15	3/4	9,625.35	3/4	9,930.79	3/4		3/4	
7	6,115.32	7	6,805.62	7	7,471.43	7	8,101.84	7	8,684.12	7	9,202.21	7	9,633.30	7	9,935.35	7		7	
1/4	6,129.87	1/4	6,819.76	1/4	7,484.94	1/4	8,114.48	1/4	8,695.59	1/4	9,212.12	1/4	9,641.04	1/4	9,939.47	1/4		1/4	
1/2	6,144.43	1/2	6,833.90	1/2	7,498.46	1/2	8,127.12	1/2	8,707.06	1/2	9,222.03	1/2	9,648.78	1/2	9,943.59	1/2		1/2	
3/4	6,158.98	3/4	6,848.04	3/4	7,511.97	3/4	8,139.76	3/4	8,718.53	3/4	9,231.94	3/4	9,656.52	3/4	9,947.72	3/4		3/4	
8	6,173.53	8	6,862.18	8	7,525.48	8	8,152.40	8	8,730.00	8	9,241.85	8	9,664.26	8	9,951.84	8		8	
1/4	6,188.06	1/4	6,876.28	1/4	7,538.93	1/4	8,164.95	1/4	8,741.35	1/4	9,251.60	1/4	9,671.77	1/4	9,955.48	1/4		1/4	
1/2	6,202.59	1/2	6,890.37	1/2	7,552.38	1/2	8,177.51	1/2	8,752.71	1/2	9,261.36	1/2	9,679.29	1/2	9,959.12	1/2		1/2	
3/4	6,217.12	3/4	6,904.47	3/4	7,565.83	3/4	8,190.06	3/4	8,764.07	3/4	9,271.12	3/4	9,686.80	3/4	9,962.76	3/4		3/4	
9	6,231.64	9	6,918.57	9	7,579.27	9	8,202.61	9	8,775.42	9	9,280.87	9	9,694.32	9	9,966.40	9		9	
1/4	6,246.14	1/4	6,932.62	1/4	7,592.66	1/4	8,215.08	1/4	8,786.67	1/4	9,290.47	1/4	9,701.60	1/4	9,969.47	1/4		1/4	
1/2	6,260.64	1/2	6,946.67	1/2	7,606.04	1/2	8,227.55	1/2	8,797.91	1/2	9,300.07	1/2	9,708.88	1/2	9,972.55	1/2		1/2	
3/4	6,275.14	3/4	6,960.72	3/4	7,619.43	3/4	8,240.01	3/4	8,809.15	3/4	9,309.67	3/4	9,716.17	3/4	9,975.63	3/4		3/4	
10	6,289.64	10	6,974.77	10	7,632.81	10	8,252.48	10	8,820.39	10	9,319.27	10	9,723.45	10	9,978.70	10		10	
1/4	6,304.11	1/4	6,988.78	1/4	7,646.13	1/4	8,264.86	1/4	8,831.51	1/4	9,328.71	1/4	9,730.49	1/4	9,981.08	1/4		1/4	
1/2	6,318.58	1/2	7,002.78	1/2	7,659.45	1/2	8,277.23	1/2	8,842.63	1/2	9,338.15	1/2	9,737.53	1/2	9,983.46	1/2		1/2	
3/4	6,333.05	3/4	7,016.79	3/4	7,672.77	3/4	8,289.61	3/4	8,853.76	3/4	9,347.59	3/4	9,744.57	3/4	9,985.83	3/4		3/4	
11	6,347.52	11	7,030.79	11	7,686.08	11	8,301.99	11	8,864.88	11	9,357.02	11	9,751.61	11	9,988.21	11		11	
1/4	6,361.96	1/4	7,044.75	1/4	7,699.33	1/4	8,314.27	1/4	8,875.88	1/4	9,366.30	1/4	9,758.40	1/4	9,989.51	1/4		1/4	
1/2	6,376.39	1/2	7,058.70	1/2	7,712.58	1/2	8,326.56	1/2	8,886.88	1/2	9,375.57	1/2	9,765.18	1/2	9,990.81	1/2		1/2	
3/4	6,390.83	3/4	7,072.66	3/4	7,725.83	3/4	8,338.84	3/4	8,897.88	3/4	9,384.84	3/4	9,771.97	3/4	9,992.11	3/4		3/4	

STRAPPED: 09/03/2013 CL - SW  
CALCULATED: 09/03/2013 CL  
PRINTED: 09/03/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.  
PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "DBL 704"

STBD

HORIZONTAL

INNAGE TABLE  
BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.12	0	214.07	0	598.25	0	1,083.57	0	1,641.44	0	2,253.62	0	2,906.24	0	3,587.76	0	4,287.92	0	4,997.25
1/4	1.42	1/4	220.81	1/4	607.53	1/4	1,094.57	1/4	1,653.72	1/4	2,266.87	1/4	2,920.20	1/4	3,602.20	1/4	4,302.64	1/4	5,012.05
1/2	2.72	1/2	227.54	1/2	616.80	1/2	1,105.58	1/2	1,666.01	1/2	2,280.13	1/2	2,934.16	1/2	3,616.64	1/2	4,317.37	1/2	5,026.86
3/4	4.02	3/4	234.28	3/4	626.07	3/4	1,116.58	3/4	1,678.30	3/4	2,293.38	3/4	2,948.12	3/4	3,631.08	3/4	4,332.09	3/4	5,041.67
1	5.32	1	241.02	1	635.35	1	1,127.58	1	1,690.59	1	2,306.63	1	2,962.08	1	3,645.53	1	4,346.81	1	5,056.48
1/4	7.70	1/4	248.01	1/4	644.79	1/4	1,138.71	1/4	1,702.97	1/4	2,319.95	1/4	2,976.09	1/4	3,660.00	1/4	4,361.55	1/4	5,071.29
1/2	10.08	1/2	255.00	1/2	654.22	1/2	1,149.83	1/2	1,715.35	1/2	2,333.27	1/2	2,990.10	1/2	3,674.47	1/2	4,376.28	1/2	5,086.10
3/4	12.46	3/4	261.98	3/4	663.66	3/4	1,160.95	3/4	1,727.73	3/4	2,346.59	3/4	3,004.11	3/4	3,688.95	3/4	4,391.02	3/4	5,100.90
2	14.83	2	268.97	2	673.10	2	1,172.08	2	1,740.11	2	2,359.92	2	3,018.11	2	3,703.42	2	4,405.76	2	5,115.71
1/4	17.91	1/4	276.23	1/4	682.71	1/4	1,183.32	1/4	1,752.58	1/4	2,373.30	1/4	3,032.17	1/4	3,717.92	1/4	4,420.51	1/4	5,130.52
1/2	20.99	1/2	283.49	1/2	692.31	1/2	1,194.57	1/2	1,765.05	1/2	2,386.69	1/2	3,046.22	1/2	3,732.42	1/2	4,435.25	1/2	5,145.32
3/4	24.06	3/4	290.75	3/4	701.91	3/4	1,205.81	3/4	1,777.52	3/4	2,400.08	3/4	3,060.28	3/4	3,746.93	3/4	4,450.00	3/4	5,160.13
3	27.14	3	298.00	3	711.51	3	1,217.05	3	1,789.98	3	2,413.47	3	3,074.33	3	3,761.43	3	4,464.75	3	5,174.93
1/4	30.78	1/4	305.52	1/4	721.27	1/4	1,228.41	1/4	1,802.54	1/4	2,426.92	1/4	3,088.43	1/4	3,775.96	1/4	4,479.52	1/4	5,189.73
1/2	34.42	1/2	313.04	1/2	731.03	1/2	1,239.77	1/2	1,815.10	1/2	2,440.37	1/2	3,102.53	1/2	3,790.49	1/2	4,494.28	1/2	5,204.53
3/4	38.06	3/4	320.55	3/4	740.78	3/4	1,251.13	3/4	1,827.65	3/4	2,453.82	3/4	3,116.63	3/4	3,805.02	3/4	4,509.04	3/4	5,219.33
4	41.70	4	328.07	4	750.54	4	1,262.49	4	1,840.21	4	2,467.27	4	3,130.73	4	3,819.55	4	4,523.80	4	5,234.14
1/4	45.82	1/4	335.81	1/4	760.45	1/4	1,273.96	1/4	1,852.85	1/4	2,480.79	1/4	3,144.88	1/4	3,834.11	1/4	4,538.57	1/4	5,248.93
1/2	49.95	1/2	343.55	1/2	770.37	1/2	1,285.43	1/2	1,865.49	1/2	2,494.30	1/2	3,159.02	1/2	3,848.67	1/2	4,553.34	1/2	5,263.73
3/4	54.07	3/4	351.29	3/4	780.28	3/4	1,296.91	3/4	1,878.13	3/4	2,507.82	3/4	3,173.16	3/4	3,863.22	3/4	4,568.12	3/4	5,278.52
5	58.19	5	359.03	5	790.19	5	1,308.38	5	1,890.78	5	2,521.33	5	3,187.31	5	3,877.78	5	4,582.89	5	5,293.32
1/4	62.75	1/4	366.98	1/4	800.25	1/4	1,319.96	1/4	1,903.50	1/4	2,534.91	1/4	3,201.49	1/4	3,892.36	1/4	4,597.67	1/4	5,308.11
1/2	67.30	1/2	374.93	1/2	810.31	1/2	1,331.55	1/2	1,916.23	1/2	2,548.49	1/2	3,215.68	1/2	3,906.95	1/2	4,612.45	1/2	5,322.90
3/4	71.85	3/4	382.89	3/4	820.37	3/4	1,343.13	3/4	1,928.95	3/4	2,562.06	3/4	3,229.87	3/4	3,921.53	3/4	4,627.23	3/4	5,337.69
6	76.41	6	390.84	6	830.43	6	1,354.71	6	1,941.68	6	2,575.64	6	3,244.05	6	3,936.11	6	4,642.01	6	5,352.48
1/4	81.35	1/4	399.01	1/4	840.64	1/4	1,366.40	1/4	1,954.48	1/4	2,589.27	1/4	3,258.28	1/4	3,950.72	1/4	4,656.80	1/4	5,367.26
1/2	86.30	1/2	407.17	1/2	850.84	1/2	1,378.09	1/2	1,967.29	1/2	2,602.91	1/2	3,272.51	1/2	3,965.33	1/2	4,671.59	1/2	5,382.04
3/4	91.24	3/4	415.33	3/4	861.05	3/4	1,389.79	3/4	1,980.09	3/4	2,616.55	3/4	3,286.73	3/4	3,979.93	3/4	4,686.38	3/4	5,396.82
7	96.18	7	423.49	7	871.25	7	1,401.48	7	1,992.90	7	2,630.18	7	3,300.96	7	3,994.54	7	4,701.17	7	5,411.60
1/4	101.49	1/4	431.85	1/4	881.60	1/4	1,413.27	1/4	2,005.78	1/4	2,643.88	1/4	3,315.23	1/4	4,009.17	1/4	4,715.97	1/4	5,426.37
1/2	106.79	1/2	440.22	1/2	891.95	1/2	1,425.07	1/2	2,018.67	1/2	2,657.57	1/2	3,329.49	1/2	4,023.80	1/2	4,730.76	1/2	5,441.15
3/4	112.09	3/4	448.58	3/4	902.29	3/4	1,436.87	3/4	2,031.55	3/4	2,671.26	3/4	3,343.76	3/4	4,038.43	3/4	4,745.56	3/4	5,455.92
8	117.39	8	456.94	8	912.64	8	1,448.66	8	2,044.44	8	2,684.96	8	3,358.03	8	4,053.06	8	4,760.35	8	5,470.69
1/4	123.00	1/4	465.50	1/4	923.13	1/4	1,460.56	1/4	2,057.40	1/4	2,698.71	1/4	3,372.33	1/4	4,067.71	1/4	4,775.16	1/4	5,485.45
1/2	128.61	1/2	474.05	1/2	933.61	1/2	1,472.46	1/2	2,070.36	1/2	2,712.46	1/2	3,386.64	1/2	4,082.36	1/2	4,789.96	1/2	5,500.21
3/4	134.22	3/4	482.61	3/4	944.10	3/4	1,484.36	3/4	2,083.33	3/4	2,726.21	3/4	3,400.94	3/4	4,097.01	3/4	4,804.76	3/4	5,514.97
9	139.83	9	491.17	9	954.58	9	1,496.26	9	2,096.29	9	2,739.96	9	3,415.25	9	4,111.66	9	4,819.56	9	5,529.74
1/4	145.73	1/4	499.91	1/4	965.20	1/4	1,508.26	1/4	2,109.33	1/4	2,753.76	1/4	3,429.59	1/4	4,126.33	1/4	4,834.36	1/4	5,544.49
1/2	151.63	1/2	508.65	1/2	975.82	1/2	1,520.26	1/2	2,122.37	1/2	2,767.57	1/2	3,443.93	1/2	4,141.00	1/2	4,849.17	1/2	5,559.24
3/4	157.53	3/4	517.40	3/4	986.44	3/4	1,532.26	3/4	2,135.40	3/4	2,781.37	3/4	3,458.27	3/4	4,155.67	3/4	4,863.97	3/4	5,573.99
10	163.42	10	526.14	10	997.06	10	1,544.26	10	2,148.44	10	2,795.18	10	3,472.61	10	4,170.34	10	4,878.78	10	5,588.74
1/4	169.61	1/4	535.07	1/4	1,007.81	1/4	1,556.36	1/4	2,161.55	1/4	2,809.03	1/4	3,486.99	1/4	4,185.03	1/4	4,893.59	1/4	5,603.47
1/2	175.81	1/2	543.99	1/2	1,018.56	1/2	1,568.46	1/2	2,174.66	1/2	2,822.89	1/2	3,501.36	1/2	4,199.72	1/2	4,908.39	1/2	5,618.21
3/4	182.00	3/4	552.92	3/4	1,029.31	3/4	1,580.56	3/4	2,187.78	3/4	2,836.75	3/4	3,515.74	3/4	4,214.41	3/4	4,923.20	3/4	5,632.94
11	188.19	11	561.84	11	1,040.06	11	1,592.66	11	2,200.89	11	2,850.61	11	3,530.12	11	4,229.10	11	4,938.01	11	5,647.68
1/4	194.66	1/4	570.95	1/4	1,050.94	1/4	1,604.85	1/4	2,214.07	1/4	2,864.52	1/4	3,544.53	1/4	4,243.80	1/4	4,952.82	1/4	5,662.40
1/2	201.13	1/2	580.05	1/2	1,061.81	1/2	1,617.05	1/2	2,227.25	1/2	2,878.43	1/2	3,558.94	1/2	4,258.51	1/2	4,967.63	1/2	5,677.13
3/4	207.60	3/4	589.15	3/4	1,072.69	3/4	1,629.24	3/4	2,240.44	3/4	2,892.34	3/4	3,573.35	3/4	4,273.22	3/4	4,982.44	3/4	5,691.85

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "DBL 704"

## STBD

### HORIZONTAL

### INNAGE TABLE

#### BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	5,706.57	0	6,406.73	0	7,088.25	0	7,740.87	0	8,353.05	0	8,910.92	0	9,396.24	0	9,780.94	0	9,995.61	0	
1/4	5,721.28	1/4	6,421.14	1/4	7,102.15	1/4	7,754.05	1/4	8,365.25	1/4	8,921.80	1/4	9,405.34	1/4	9,787.46	1/4		1/4	
1/2	5,735.98	1/2	6,435.55	1/2	7,116.06	1/2	7,767.24	1/2	8,377.44	1/2	8,932.68	1/2	9,414.44	1/2	9,793.99	1/2		1/2	
3/4	5,750.69	3/4	6,449.96	3/4	7,129.97	3/4	7,780.42	3/4	8,389.64	3/4	8,943.55	3/4	9,423.54	3/4	9,800.51	3/4		3/4	
1	5,765.39	1	6,464.37	1	7,143.88	1	7,793.60	1	8,401.83	1	8,954.43	1	9,432.65	1	9,807.03	1		1	
1/4	5,780.08	1/4	6,478.75	1/4	7,157.74	1/4	7,806.72	1/4	8,413.93	1/4	8,965.18	1/4	9,441.57	1/4	9,813.28	1/4		1/4	
1/2	5,794.77	1/2	6,493.13	1/2	7,171.60	1/2	7,819.83	1/2	8,426.03	1/2	8,975.93	1/2	9,450.50	1/2	9,819.52	1/2		1/2	
3/4	5,809.46	3/4	6,507.50	3/4	7,185.46	3/4	7,832.94	3/4	8,438.13	3/4	8,986.68	3/4	9,459.42	3/4	9,825.76	3/4		3/4	
2	5,824.15	2	6,521.88	2	7,199.31	2	7,846.05	2	8,450.23	2	8,997.43	2	9,468.35	2	9,832.01	2		2	
1/4	5,838.82	1/4	6,536.22	1/4	7,213.12	1/4	7,859.09	1/4	8,462.23	1/4	9,008.05	1/4	9,477.09	1/4	9,837.95	1/4		1/4	
1/2	5,853.49	1/2	6,550.56	1/2	7,226.92	1/2	7,872.12	1/2	8,474.23	1/2	9,018.67	1/2	9,485.84	1/2	9,843.90	1/2		1/2	
3/4	5,868.16	3/4	6,564.90	3/4	7,240.73	3/4	7,885.16	3/4	8,486.23	3/4	9,029.29	3/4	9,494.58	3/4	9,849.85	3/4		3/4	
3	5,882.83	3	6,579.24	3	7,254.53	3	7,898.20	3	8,498.23	3	9,039.91	3	9,503.33	3	9,855.80	3		3	
1/4	5,897.48	1/4	6,593.55	1/4	7,268.28	1/4	7,911.16	1/4	8,510.13	1/4	9,050.39	1/4	9,511.88	1/4	9,861.44	1/4		1/4	
1/2	5,912.13	1/2	6,607.85	1/2	7,282.03	1/2	7,924.13	1/2	8,522.03	1/2	9,060.88	1/2	9,520.44	1/2	9,867.07	1/2		1/2	
3/4	5,926.78	3/4	6,622.16	3/4	7,295.78	3/4	7,937.09	3/4	8,533.93	3/4	9,071.36	3/4	9,529.00	3/4	9,872.71	3/4		3/4	
4	5,941.43	4	6,636.46	4	7,309.53	4	7,950.05	4	8,545.83	4	9,081.85	4	9,537.55	4	9,878.35	4		4	
1/4	5,956.06	1/4	6,650.73	1/4	7,323.23	1/4	7,962.94	1/4	8,557.62	1/4	9,092.20	1/4	9,545.91	1/4	9,883.65	1/4		1/4	
1/2	5,970.69	1/2	6,665.00	1/2	7,336.92	1/2	7,975.82	1/2	8,569.42	1/2	9,102.54	1/2	9,554.28	1/2	9,888.95	1/2		1/2	
3/4	5,985.32	3/4	6,679.26	3/4	7,350.61	3/4	7,988.71	3/4	8,581.22	3/4	9,112.89	3/4	9,562.64	3/4	9,894.25	3/4		3/4	
5	5,999.95	5	6,693.53	5	7,364.31	5	8,001.59	5	8,593.01	5	9,123.24	5	9,571.00	5	9,899.56	5		5	
1/4	6,014.56	1/4	6,707.76	1/4	7,377.94	1/4	8,014.40	1/4	8,604.70	1/4	9,133.44	1/4	9,579.16	1/4	9,904.50	1/4		1/4	
1/2	6,029.16	1/2	6,721.98	1/2	7,391.58	1/2	8,027.20	1/2	8,616.40	1/2	9,143.65	1/2	9,587.33	1/2	9,909.44	1/2		1/2	
3/4	6,043.77	3/4	6,736.21	3/4	7,405.22	3/4	8,040.01	3/4	8,628.09	3/4	9,153.85	3/4	9,595.49	3/4	9,914.39	3/4		3/4	
6	6,058.38	6	6,750.44	6	7,418.85	6	8,052.82	6	8,639.78	6	9,164.06	6	9,603.65	6	9,919.33	6		6	
1/4	6,072.96	1/4	6,764.62	1/4	7,432.43	1/4	8,065.54	1/4	8,651.36	1/4	9,174.12	1/4	9,611.61	1/4	9,923.88	1/4		1/4	
1/2	6,087.54	1/2	6,778.81	1/2	7,446.00	1/2	8,078.26	1/2	8,662.94	1/2	9,184.18	1/2	9,619.56	1/2	9,928.44	1/2		1/2	
3/4	6,102.13	3/4	6,793.00	3/4	7,459.58	3/4	8,090.99	3/4	8,674.53	3/4	9,194.24	3/4	9,627.51	3/4	9,932.99	3/4		3/4	
7	6,116.71	7	6,807.18	7	7,473.16	7	8,103.71	7	8,686.11	7	9,204.30	7	9,635.47	7	9,937.55	7		7	
1/4	6,131.27	1/4	6,821.33	1/4	7,486.67	1/4	8,116.36	1/4	8,697.58	1/4	9,214.21	1/4	9,643.21	1/4	9,941.67	1/4		1/4	
1/2	6,145.82	1/2	6,835.47	1/2	7,500.19	1/2	8,129.00	1/2	8,709.06	1/2	9,224.12	1/2	9,650.95	1/2	9,945.79	1/2		1/2	
3/4	6,160.38	3/4	6,849.61	3/4	7,513.70	3/4	8,141.64	3/4	8,720.53	3/4	9,234.04	3/4	9,658.69	3/4	9,949.92	3/4		3/4	
8	6,174.94	8	6,863.76	8	7,527.22	8	8,154.28	8	8,732.00	8	9,243.95	8	9,666.43	8	9,954.04	8		8	
1/4	6,189.47	1/4	6,877.86	1/4	7,540.67	1/4	8,166.84	1/4	8,743.36	1/4	9,253.71	1/4	9,673.94	1/4	9,957.68	1/4		1/4	
1/2	6,204.00	1/2	6,891.96	1/2	7,554.12	1/2	8,179.39	1/2	8,754.72	1/2	9,263.46	1/2	9,681.46	1/2	9,961.32	1/2		1/2	
3/4	6,218.53	3/4	6,906.06	3/4	7,567.57	3/4	8,191.95	3/4	8,766.08	3/4	9,273.22	3/4	9,688.98	3/4	9,964.96	3/4		3/4	
9	6,233.06	9	6,920.16	9	7,581.03	9	8,204.51	9	8,777.44	9	9,282.98	9	9,696.49	9	9,968.60	9		9	
1/4	6,247.56	1/4	6,934.21	1/4	7,594.41	1/4	8,216.98	1/4	8,788.68	1/4	9,292.58	1/4	9,703.77	1/4	9,971.68	1/4		1/4	
1/2	6,262.07	1/2	6,948.27	1/2	7,607.80	1/2	8,229.44	1/2	8,799.92	1/2	9,302.18	1/2	9,711.06	1/2	9,974.75	1/2		1/2	
3/4	6,276.57	3/4	6,962.32	3/4	7,621.19	3/4	8,241.91	3/4	8,811.17	3/4	9,311.78	3/4	9,718.34	3/4	9,977.83	3/4		3/4	
10	6,291.07	10	6,976.38	10	7,634.58	10	8,254.38	10	8,822.41	10	9,321.39	10	9,725.63	10	9,980.91	10		10	
1/4	6,305.55	1/4	6,990.39	1/4	7,647.90	1/4	8,266.76	1/4	8,833.54	1/4	9,330.83	1/4	9,732.67	1/4	9,983.28	1/4		1/4	
1/2	6,320.02	1/2	7,004.39	1/2	7,661.22	1/2	8,279.14	1/2	8,844.66	1/2	9,340.27	1/2	9,739.71	1/2	9,985.66	1/2		1/2	
3/4	6,334.49	3/4	7,018.40	3/4	7,674.54	3/4	8,291.52	3/4	8,855.79	3/4	9,349.71	3/4	9,746.75	3/4	9,988.04	3/4		3/4	
11	6,348.96	11	7,032.41	11	7,687.86	11	8,303.90	11	8,866.91	11	9,359.15	11	9,753.79	11	9,990.41	11		11	
1/4	6,363.41	1/4	7,046.37	1/4	7,701.11	1/4	8,316.19	1/4	8,877.91	1/4	9,368.42	1/4	9,760.58	1/4	9,991.71	1/4		1/4	
1/2	6,377.85	1/2	7,060.33	1/2	7,714.37	1/2	8,328.48	1/2	8,888.91	1/2	9,377.69	1/2	9,767.37	1/2	9,993.01	1/2		1/2	
3/4	6,392.29	3/4	7,074.29	3/4	7,727.62	3/4	8,340.77	3/4	8,899.92	3/4	9,386.97	3/4	9,774.15	3/4	9,994.31	3/4		3/4	

STRAPPED: 09/03/2013 CL - SW  
 CALCULATED: 09/03/2013 CL  
 PRINTED: 09/03/2013 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 09/2013

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