

# BARGE "DBL 18"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	-00-0/8	00-0/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/4	00-1/4
1 CENTER	00-0/8	-00-0/8	00-0/8	-00-0/8	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/8
1STBD	-00-0/8	00-0/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/4	00-1/4
2 CENTER	00-1/8	-00-1/8	00-1/4	-00-1/4	00-3/8	-00-3/8	00-1/2	-00-1/2	00-3/4	-00-3/4	00-7/8	-00-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD DRAFT = 2'-00"  
AFT DRAFT = 4'-00"  
DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"  
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

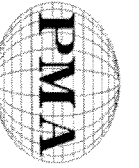
LENGTH BETWEEN DRAFT MARKS: 206'-09"

May 13, 2011

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "DBL 18"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-00" 1/2"

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	
0	3,291.67	0	3,620.10	0																	
1/4	3,298.51	1/4	3,626.94	1/4																	
1/2	3,305.35	1/2	3,633.79	1/2																	
3/4	3,312.19	3/4	3,640.63	3/4																	
1	3,319.04	1	3,647.47	1																	
1/4	3,325.88	1/4	3,654.31	1/4																	
1/2	3,332.72	1/2	3,661.16	1/2																	
3/4	3,339.56	3/4	3,668.00	3/4																	
2	3,346.40	2	3,674.84	2																	
1/4	3,353.25	1/4	3,681.68	1/4																	
1/2	3,360.09	1/2	3,688.52	1/2																	
3/4	3,366.93	3/4	3,695.37	3/4																	
3	3,373.77	3	3,702.21	3																	
1/4	3,380.62	1/4	3,709.05	1/4																	
1/2	3,387.46	1/2	3,715.89	1/2																	
3/4	3,394.30	3/4	3,722.74	3/4																	
4	3,401.14	4	3,729.58	4																	
1/4	3,407.99	1/4	3,736.42	1/4																	
1/2	3,414.83	1/2	3,743.26	1/2																	
3/4	3,421.67	3/4	3,750.11	3/4																	
5	3,428.51	5	3,756.95	5																	
1/4	3,435.36	1/4	3,763.79	1/4																	
1/2	3,442.20	1/2	3,770.63	1/2																	
3/4	3,449.04	3/4	3,777.47	3/4																	
6	3,455.88	6	3,784.31	6																	
1/4	3,462.73	1/4	3,791.15	1/4																	
1/2	3,469.57	1/2	3,797.99	1/2																	
3/4	3,476.41	3/4	3,804.83	3/4																	
7	3,483.25	7	3,811.67	7																	
1/4	3,490.10	1/4	3,818.51	1/4																	
1/2	3,496.94	1/2	3,825.35	1/2																	
3/4	3,503.78	3/4	3,832.19	3/4																	
8	3,510.62	8	3,839.03	8																	
1/4	3,517.46	1/4	3,845.87	1/4																	
1/2	3,524.31	1/2	3,852.71	1/2																	
3/4	3,531.15	3/4	3,859.55	3/4																	
9	3,537.99	9	3,866.39	9																	
1/4	3,544.83	1/4	3,873.23	1/4																	
1/2	3,551.68	1/2	3,880.07	1/2																	
3/4	3,558.52	3/4	3,886.91	3/4																	
10	3,565.36	10	3,893.75	10																	
1/4	3,572.20	1/4	3,900.59	1/4																	
1/2	3,579.05	1/2	3,907.43	1/2																	
3/4	3,585.89	3/4	3,914.27	3/4																	
11	3,592.73	11	3,921.11	11																	
1/4	3,599.57	1/4	3,927.95	1/4																	
1/2	3,606.42	1/2	3,934.79	1/2																	
3/4	3,613.26	3/4	3,941.63	3/4																	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2011 CL - SW  
 CALCULATED: 05/13/2011 CL  
 PRINTED: 05/13/2011 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2011

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77568  
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BARGE "DBL 18"

1 CENTER  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

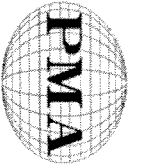
GAUGE HEIGHT 14'-06 3/4"

Table with 18 columns (0 FT. to 9 FT.) and 18 rows (1 to 18). Each cell contains numerical capacity values in barrels. The table shows increasing capacity as distance from the center increases.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMs CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" DIAMETER HATCH (TOP LIP OPPOSITE HINGE).  
GAUGE POINT: (10" HATCH) LOCATED ON CENTERLINE AND 49'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
http://www.pmtacorp.net



# BARGE "DBL 18"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 3/4"

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	3,087.74	0	3,398.40	0	3,688.36	0															
1/4	3,094.21	1/4	3,404.87	1/4	3,689.01	1/4															
1/2	3,100.68	1/2	3,411.35	1/2	3,689.65	1/2															
3/4	3,107.15	3/4	3,417.82	3/4		3/4															
1	3,113.63	1	3,424.29	1		1															
1 1/4	3,120.10	1 1/4	3,430.76	1 1/4		1 1/4															
1 1/2	3,126.57	1 1/2	3,437.24	1 1/2		1 1/2															
3/4	3,133.04	3/4	3,443.71	3/4		3/4															
2	3,139.51	2	3,450.18	2		2															
1 1/4	3,145.99	1 1/4	3,456.65	1 1/4		1 1/4															
1 1/2	3,152.46	1 1/2	3,463.12	1 1/2		1 1/2															
3/4	3,158.93	3/4	3,469.60	3/4		3/4															
3	3,165.40	3	3,476.07	3		3															
1 1/4	3,171.87	1 1/4	3,482.54	1 1/4		1 1/4															
1 1/2	3,178.35	1 1/2	3,489.01	1 1/2		1 1/2															
3/4	3,184.82	3/4	3,495.48	3/4		3/4															
4	3,191.29	4	3,501.96	4		4															
1 1/4	3,197.76	1 1/4	3,508.43	1 1/4		1 1/4															
1 1/2	3,204.24	1 1/2	3,514.90	1 1/2		1 1/2															
3/4	3,210.71	3/4	3,521.37	3/4		3/4															
5	3,217.18	5	3,527.85	5		5															
1 1/4	3,223.65	1 1/4	3,534.32	1 1/4		1 1/4															
1 1/2	3,230.12	1 1/2	3,540.79	1 1/2		1 1/2															
3/4	3,236.60	3/4	3,547.26	3/4		3/4															
6	3,243.07	6	3,553.73	6		6															
1 1/4	3,249.54	1 1/4	3,560.21	1 1/4		1 1/4															
1 1/2	3,256.01	1 1/2	3,566.68	1 1/2		1 1/2															
3/4	3,262.49	3/4	3,573.15	3/4		3/4															
7	3,268.96	7	3,579.62	7		7															
1 1/4	3,275.43	1 1/4	3,586.10	1 1/4		1 1/4															
1 1/2	3,281.90	1 1/2	3,592.57	1 1/2		1 1/2															
3/4	3,288.37	3/4	3,599.04	3/4		3/4															
8	3,294.85	8	3,605.51	8		8															
1 1/4	3,301.32	1 1/4	3,611.98	1 1/4		1 1/4															
1 1/2	3,307.79	1 1/2	3,618.46	1 1/2		1 1/2															
3/4	3,314.26	3/4	3,624.93	3/4		3/4															
9	3,320.74	9	3,631.40	9		9															
1 1/4	3,327.21	1 1/4	3,637.87	1 1/4		1 1/4															
1 1/2	3,333.68	1 1/2	3,644.35	1 1/2		1 1/2															
3/4	3,340.15	3/4	3,650.82	3/4		3/4															
10	3,346.62	10	3,657.29	10		10															
1 1/4	3,353.10	1 1/4	3,662.47	1 1/4		1 1/4															
1 1/2	3,359.57	1 1/2	3,667.65	1 1/2		1 1/2															
3/4	3,366.04	3/4	3,672.82	3/4		3/4															
11	3,372.51	11	3,678.00	11		11															
1 1/4	3,378.99	1 1/4	3,683.18	1 1/4		1 1/4															
1 1/2	3,385.46	1 1/2	3,688.36	1 1/2		1 1/2															
3/4	3,391.93	3/4	3,693.54	3/4		3/4															

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

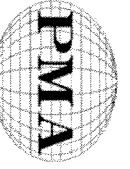
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Pearland, Texas 77588  
http://www.dmracorp.net

STRAPPED: 05/13/2011 CL - SW  
CALCULATED: 05/13/2011 CL  
PRINTED: 05/13/2011 CL

CANCELLED AND SUPERCEDED  
ALL PRIOR TO 05/20/11







# BARGE "DBL 18"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

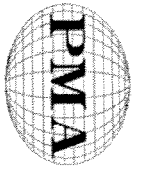
GAUGE HEIGHT 14'-00" 1/2"

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	
0	3,299.46	0	3,628.67	0																	
1/4	3,306.32	1/4	3,635.53	1/4																	
1/2	3,313.18	1/2	3,642.39	1/2																	
3/4	3,320.03	3/4	3,649.25	3/4																	
1	3,326.89	1	3,656.11	1																	
1/4	3,333.75	1/4	3,662.96	1/4																	
1/2	3,340.61	1/2	3,669.82	1/2																	
3/4	3,347.47	3/4	3,676.68	3/4																	
2	3,354.33	2	3,683.54	2																	
1/4	3,361.19	1/4	3,690.40	1/4																	
1/2	3,368.04	1/2	3,697.26	1/2																	
3/4	3,374.90	3/4	3,704.12	3/4																	
3	3,381.76	3	3,710.97	3																	
1/4	3,388.62	1/4	3,717.83	1/4																	
1/2	3,395.48	1/2	3,724.69	1/2																	
3/4	3,402.34	3/4	3,731.55	3/4																	
4	3,409.20	4	3,738.41	4																	
1/4	3,416.05	1/4	3,745.27	1/4																	
1/2	3,422.91	1/2	3,752.13	1/2																	
3/4	3,429.77	3/4	3,758.98	3/4																	
5	3,436.63	5	3,765.84	5																	
1/4	3,443.49	1/4	3,770.65	1/4																	
1/2	3,450.35	1/2	3,775.45	1/2																	
3/4	3,457.21	3/4		3/4																	
6	3,464.06	6		6																	
1/4	3,470.92	1/4		1/4																	
1/2	3,477.78	1/2		1/2																	
3/4	3,484.64	3/4		3/4																	
7	3,491.50	7		7																	
1/4	3,498.36	1/4		1/4																	
1/2	3,505.22	1/2		1/2																	
3/4	3,512.07	3/4		3/4																	
8	3,518.93	8		8																	
1/4	3,525.79	1/4		1/4																	
1/2	3,532.65	1/2		1/2																	
3/4	3,539.51	3/4		3/4																	
9	3,546.37	9		9																	
1/4	3,553.23	1/4		1/4																	
1/2	3,560.08	1/2		1/2																	
3/4	3,566.94	3/4		3/4																	
10	3,573.80	10		10																	
1/4	3,580.66	1/4		1/4																	
1/2	3,587.52	1/2		1/2																	
3/4	3,594.38	3/4		3/4																	
11	3,601.24	11		11																	
1/4	3,608.09	1/4		1/4																	
1/2	3,614.95	1/2		1/2																	
3/4	3,621.81	3/4		3/4																	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2011 CL - SW  
 CALCULATED: 05/13/2011 CL  
 PRINTED: 05/13/2011 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2011

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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 Pearland, Texas 77588  
 http://www.pmacorp.net



BARGE "DBL 18"

2 CENTER  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 3/4"

Table with columns for INNAGE (IN), FEET (FT.), and CAPACITY (0-9). Rows are organized by gauge height intervals from 0 to 30 feet.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

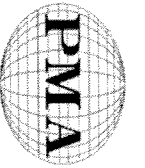
BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" DIAMETER HATCH (TOP LIP OPPOSITE HINGE). GAUGE POINT: (10" HATCH) LOCATED ON CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77568  
http://www.pma-inc.net





# BARGE "DBL 18"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 3/4"

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	
0	3,426.02	0	3,770.73	0	4,092.46	0		0		0		0		0		0		0		0	
1/4	3,433.21	1/4	3,777.91	1/4	4,093.18	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,440.39	1/2	3,785.09	1/2	4,093.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,447.57	3/4	3,792.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	3,454.75	1	3,799.46	1		1		1		1		1		1		1		1		1	
1/4	3,461.93	1/4	3,806.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,469.11	1/2	3,813.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,476.29	3/4	3,821.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	3,483.48	2	3,828.18	2		2		2		2		2		2		2		2		2	
1/4	3,490.66	1/4	3,835.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,497.84	1/2	3,842.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,505.02	3/4	3,849.73	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3,512.20	3	3,856.91	3		3		3		3		3		3		3		3		3	
1/4	3,519.38	1/4	3,864.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,526.56	1/2	3,871.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,533.75	3/4	3,878.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	3,540.93	4	3,885.63	4		4		4		4		4		4		4		4		4	
1/4	3,548.11	1/4	3,892.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,555.29	1/2	3,900.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,562.47	3/4	3,907.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	3,569.65	5	3,914.36	5		5		5		5		5		5		5		5		5	
1/4	3,576.83	1/4	3,921.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,584.02	1/2	3,928.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,591.20	3/4	3,935.90	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	3,598.38	6	3,943.09	6		6		6		6		6		6		6		6		6	
1/4	3,605.56	1/4	3,950.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,612.74	1/2	3,957.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,619.92	3/4	3,964.63	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	3,627.10	7	3,971.81	7		7		7		7		7		7		7		7		7	
1/4	3,634.28	1/4	3,978.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,641.47	1/2	3,986.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,648.65	3/4	3,993.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	3,655.83	8	4,000.54	8		8		8		8		8		8		8		8		8	
1/4	3,663.01	1/4	4,007.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,670.19	1/2	4,014.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,677.37	3/4	4,022.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	3,684.55	9	4,029.26	9		9		9		9		9		9		9		9		9	
1/4	3,691.74	1/4	4,036.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,698.92	1/2	4,043.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,706.10	3/4	4,050.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	3,713.28	10	4,057.99	10		10		10		10		10		10		10		10		10	
1/4	3,720.46	1/4	4,065.17	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.64	1/2	4,069.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,734.82	3/4	4,075.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	3,742.01	11	4,080.97	11		11		11		11		11		11		11		11		11	
1/4	3,749.19	1/4	4,083.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,756.37	1/2	4,086.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,763.55	3/4	4,089.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

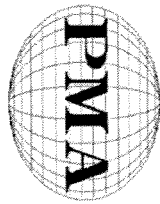
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>

STRAPPED: 05/13/2011 CL - SW

CALCULATED: 05/13/2011 CL

PRINTED: 05/13/2011 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/20/11



# BARGE "DBL 18"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
1 CENTER	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 00-7/8	00-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

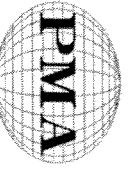
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 206'-09"

May 13, 2011

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 18"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14.00 1/2"

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

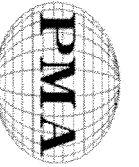
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MIMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
GAUGE POINT: (HERMETIC) LOCATED 4'-03" OFF CENTERLINE AND 105'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
http://www.pmatcorp.net



# BARGE "DBL 18"

## 1 PORT

### ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-00" 1/2"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	1,334.74	1,006.30	677.87	349.43	22.16	0	0	0	0	0
1/4	1,327.90	999.46	671.03	342.59	15.89					
1/2	1,321.05	992.62	664.18	335.75	9.62					
3/4	1,314.21	985.78	657.34	328.91						
1	1,307.37	978.93	650.50	322.06						
1/4	1,300.53	972.09	643.66	315.22						
1/2	1,293.68	965.25	636.81	308.38						
3/4	1,286.84	958.41	629.97	301.54						
2	1,280.00	951.56	623.13	294.69						
1/4	1,273.16	944.72	616.29	287.85						
1/2	1,266.32	937.88	609.44	281.01						
3/4	1,259.47	931.04	602.60	274.17						
3	1,252.63	924.20	595.76	267.32						
1/4	1,245.79	917.35	588.92	260.48						
1/2	1,238.95	910.51	582.08	253.64						
3/4	1,232.10	903.67	575.23	246.80						
4	1,225.26	896.83	568.39	239.96						
1/4	1,218.42	889.98	561.55	233.12						
1/2	1,211.58	883.14	554.71	226.28						
3/4	1,204.73	876.30	547.86	219.43						
5	1,197.89	869.46	541.02	212.59						
1/4	1,191.05	862.61	534.18	205.75						
1/2	1,184.21	855.77	527.34	198.91						
3/4	1,177.36	848.93	520.49	192.07						
6	1,170.52	842.09	513.65	185.23						
1/4	1,163.68	835.24	506.81	178.39						
1/2	1,156.84	828.40	499.97	171.55						
3/4	1,149.99	821.56	493.12	164.70						
7	1,143.15	814.72	486.28	157.86						
1/4	1,136.31	807.87	479.44	151.02						
1/2	1,129.47	801.03	472.60	144.18						
3/4	1,122.62	794.19	465.75	137.34						
8	1,115.78	787.35	458.91	130.50						
1/4	1,108.94	780.50	452.07	123.66						
1/2	1,102.10	773.66	445.23	116.82						
3/4	1,095.26	766.82	438.38	109.97						
9	1,088.41	759.98	431.54	103.13						
1/4	1,081.57	753.14	424.70	96.29						
1/2	1,074.73	746.29	417.86	89.45						
3/4	1,067.89	739.45	411.02	82.61						
10	1,061.04	732.61	404.17	75.77						
1/4	1,054.20	725.77	397.33	68.92						
1/2	1,047.36	718.92	390.49	62.08						
3/4	1,040.52	712.08	383.65	55.24						
11	1,033.67	705.24	376.80	48.40						
1/4	1,026.83	698.40	369.96	41.55						
1/2	1,019.99	691.55	363.12	34.71						
3/4	1,013.15	684.71	356.28	28.44						

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.

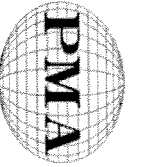
P. O. Box 2092  
 Pearland, Texas 77568  
 http://www.pmaacorp.net

STRAPPED: 05/13/2011 CL - SW

CALCULATED: 05/13/2011 CL

PRINTED: 05/13/2011 CL

CANCELS AND SUPERCENDES  
 ALL PRIOR TO 05/20/11



# BARGE "DBL 18"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmtacorp.net

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 10" DIAMETER HATCH (TOP LIP OPPOSITE HINGE).  
GAUGE POINT: (10" HATCH) LOCATED ON CENTERLINE AND 49'-03" FORWARD OF AFT BULKHEAD.



# BARGE "DBL 18"

1 CENTER  
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 3/4"

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,398.49	0	1,087.83	0	777.16	0	466.50	0	155.83	0	0	0	0	0	0	0	0	0	0	0
1/4	1,392.02	1/4	1,081.35	1/4	770.69	1/4	460.02	1/4	149.36	1/4	149.36	1/4	149.36	1/4	149.36	1/4	149.36	1/4	149.36	1/4
1/2	1,385.55	1/2	1,074.88	1/2	764.22	1/2	453.55	1/2	142.89	1/2	142.89	1/2	142.89	1/2	142.89	1/2	142.89	1/2	142.89	1/2
3/4	1,379.08	3/4	1,068.41	3/4	757.74	3/4	447.08	3/4	136.41	3/4	136.41	3/4	136.41	3/4	136.41	3/4	136.41	3/4	136.41	3/4
1	1,372.60	1	1,061.94	1	751.27	1	440.61	1	129.94	1	129.94	1	129.94	1	129.94	1	129.94	1	129.94	1
1 1/4	1,366.13	1 1/4	1,055.47	1 1/4	744.80	1 1/4	434.13	1 1/4	123.47	1 1/4	123.47	1 1/4	123.47	1 1/4	123.47	1 1/4	123.47	1 1/4	123.47	1 1/4
1 1/2	1,359.66	1 1/2	1,048.99	1 1/2	738.33	1 1/2	427.66	1 1/2	117.00	1 1/2	117.00	1 1/2	117.00	1 1/2	117.00	1 1/2	117.00	1 1/2	117.00	1 1/2
1 3/4	1,353.19	1 3/4	1,042.52	1 3/4	731.86	1 3/4	421.19	1 3/4	110.52	1 3/4	110.52	1 3/4	110.52	1 3/4	110.52	1 3/4	110.52	1 3/4	110.52	1 3/4
2	1,346.71	2	1,036.05	2	725.38	2	414.72	2	104.05	2	104.05	2	104.05	2	104.05	2	104.05	2	104.05	2
1/4	1,340.24	1/4	1,029.58	1/4	718.91	1/4	408.25	1/4	97.58	1/4	97.58	1/4	97.58	1/4	97.58	1/4	97.58	1/4	97.58	1/4
1/2	1,333.77	1/2	1,023.10	1/2	712.44	1/2	401.77	1/2	91.11	1/2	91.11	1/2	91.11	1/2	91.11	1/2	91.11	1/2	91.11	1/2
3/4	1,327.30	3/4	1,016.63	3/4	705.97	3/4	395.30	3/4	84.64	3/4	84.64	3/4	84.64	3/4	84.64	3/4	84.64	3/4	84.64	3/4
3	1,320.83	3	1,010.16	3	699.49	3	388.83	3	78.16	3	78.16	3	78.16	3	78.16	3	78.16	3	78.16	3
1/4	1,314.35	1/4	1,003.69	1/4	693.02	1/4	382.36	1/4	71.69	1/4	71.69	1/4	71.69	1/4	71.69	1/4	71.69	1/4	71.69	1/4
1/2	1,307.88	1/2	997.22	1/2	686.55	1/2	375.88	1/2	65.22	1/2	65.22	1/2	65.22	1/2	65.22	1/2	65.22	1/2	65.22	1/2
3/4	1,301.41	3/4	990.74	3/4	680.08	3/4	369.41	3/4	58.75	3/4	58.75	3/4	58.75	3/4	58.75	3/4	58.75	3/4	58.75	3/4
4	1,294.94	4	984.27	4	673.61	4	362.94	4	52.27	4	52.27	4	52.27	4	52.27	4	52.27	4	52.27	4
1/4	1,288.46	1/4	977.80	1/4	667.13	1/4	356.47	1/4	45.80	1/4	45.80	1/4	45.80	1/4	45.80	1/4	45.80	1/4	45.80	1/4
1/2	1,281.99	1/2	971.33	1/2	660.66	1/2	350.00	1/2	39.33	1/2	39.33	1/2	39.33	1/2	39.33	1/2	39.33	1/2	39.33	1/2
3/4	1,275.52	3/4	964.85	3/4	654.19	3/4	343.52	3/4	32.86	3/4	32.86	3/4	32.86	3/4	32.86	3/4	32.86	3/4	32.86	3/4
5	1,269.05	5	958.38	5	647.72	5	337.05	5	26.92	5	26.92	5	26.92	5	26.92	5	26.92	5	26.92	5
1/4	1,262.58	1/4	951.91	1/4	641.24	1/4	330.58	1/4	20.99	1/4	20.99	1/4	20.99	1/4	20.99	1/4	20.99	1/4	20.99	1/4
1/2	1,256.10	1/2	945.44	1/2	634.77	1/2	324.11	1/2	15.06	1/2	15.06	1/2	15.06	1/2	15.06	1/2	15.06	1/2	15.06	1/2
3/4	1,249.63	3/4	938.97	3/4	628.30	3/4	317.63	3/4	9.12	3/4	9.12	3/4	9.12	3/4	9.12	3/4	9.12	3/4	9.12	3/4
6	1,243.16	6	932.49	6	621.83	6	311.16	6	6.97	6	6.97	6	6.97	6	6.97	6	6.97	6	6.97	6
1/4	1,236.69	1/4	926.02	1/4	615.36	1/4	304.69	1/4	4.81	1/4	4.81	1/4	4.81	1/4	4.81	1/4	4.81	1/4	4.81	1/4
1/2	1,230.21	1/2	919.55	1/2	608.88	1/2	298.22	1/2	2.65	1/2	2.65	1/2	2.65	1/2	2.65	1/2	2.65	1/2	2.65	1/2
3/4	1,223.74	3/4	913.08	3/4	602.41	3/4	291.75	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4
7	1,217.27	7	906.60	7	595.94	7	285.27	7	0.49	7	0.49	7	0.49	7	0.49	7	0.49	7	0.49	7
1/4	1,210.80	1/4	900.13	1/4	589.47	1/4	278.80	1/4	0.49	1/4	0.49	1/4	0.49	1/4	0.49	1/4	0.49	1/4	0.49	1/4
1/2	1,204.33	1/2	893.66	1/2	582.99	1/2	272.33	1/2	0.49	1/2	0.49	1/2	0.49	1/2	0.49	1/2	0.49	1/2	0.49	1/2
3/4	1,197.85	3/4	887.19	3/4	576.52	3/4	265.86	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4
8	1,191.38	8	880.72	8	570.05	8	259.38	8	0.49	8	0.49	8	0.49	8	0.49	8	0.49	8	0.49	8
1 1/4	1,184.91	1 1/4	874.24	1 1/4	563.58	1 1/4	252.91	1 1/4	0.49	1 1/4	0.49	1 1/4	0.49	1 1/4	0.49	1 1/4	0.49	1 1/4	0.49	1 1/4
1 1/2	1,178.44	1 1/2	867.77	1 1/2	557.11	1 1/2	246.44	1 1/2	0.49	1 1/2	0.49	1 1/2	0.49	1 1/2	0.49	1 1/2	0.49	1 1/2	0.49	1 1/2
3/4	1,171.97	3/4	861.30	3/4	550.63	3/4	239.97	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4
9	1,165.49	9	854.83	9	544.16	9	233.50	9	0.49	9	0.49	9	0.49	9	0.49	9	0.49	9	0.49	9
1/4	1,159.02	1/4	848.36	1/4	537.69	1/4	227.02	1/4	0.49	1/4	0.49	1/4	0.49	1/4	0.49	1/4	0.49	1/4	0.49	1/4
1/2	1,152.55	1/2	841.88	1/2	531.22	1/2	220.55	1/2	0.49	1/2	0.49	1/2	0.49	1/2	0.49	1/2	0.49	1/2	0.49	1/2
3/4	1,146.08	3/4	835.41	3/4	524.75	3/4	214.08	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4
10	1,139.60	10	828.94	10	518.27	10	207.61	10	0.49	10	0.49	10	0.49	10	0.49	10	0.49	10	0.49	10
1/4	1,133.13	1/4	822.47	1/4	511.80	1/4	201.14	1/4	0.49	1/4	0.49	1/4	0.49	1/4	0.49	1/4	0.49	1/4	0.49	1/4
1/2	1,126.66	1/2	815.99	1/2	505.33	1/2	194.66	1/2	0.49	1/2	0.49	1/2	0.49	1/2	0.49	1/2	0.49	1/2	0.49	1/2
3/4	1,120.19	3/4	809.52	3/4	498.86	3/4	188.19	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4
11	1,113.72	11	803.05	11	492.38	11	181.72	11	0.49	11	0.49	11	0.49	11	0.49	11	0.49	11	0.49	11
1 1/4	1,107.24	1 1/4	796.58	1 1/4	485.91	1 1/4	175.25	1 1/4	0.49	1 1/4	0.49	1 1/4	0.49	1 1/4	0.49	1 1/4	0.49	1 1/4	0.49	1 1/4
1 1/2	1,100.77	1 1/2	790.11	1 1/2	479.44	1 1/2	168.77	1 1/2	0.49	1 1/2	0.49	1 1/2	0.49	1 1/2	0.49	1 1/2	0.49	1 1/2	0.49	1 1/2
3/4	1,094.30	3/4	783.63	3/4	472.97	3/4	162.30	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4	0.49	3/4

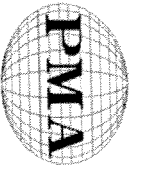
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2011 CL - SW  
CALCULATED: 05/13/2011 CL  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2011

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P. O. Box 2092  
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# BARGE "DBL 18"

## 1 STBD ULLAGE TABLE

GAUGE HEIGHT 14'-00 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
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	1,337.90	0	1,008.69	0	679.47	0	350.26	0	22.22	0	0	0	0	0	0	0	0	0	0
1/4	1,331.04	1/4	1,001.83	1/4	672.61	1/4	343.40	1/4	15.93	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,324.18	1/2	994.97	1/2	665.76	1/2	336.54	1/2	9.64	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,317.32	3/4	988.11	3/4	658.90	3/4	329.68	3/4	3.28	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1,310.46	1	981.25	1	652.04	1	322.83	1	0	1	0	1	0	1	0	1	0	1	0
1 1/4	1,303.61	1 1/4	974.39	1 1/4	645.18	1 1/4	315.97	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,296.75	1 1/2	967.53	1 1/2	638.32	1 1/2	309.11	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,289.89	3/4	960.68	3/4	631.46	3/4	302.25	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
2	1,283.03	2	953.82	2	624.60	2	295.39	2	0	2	0	2	0	2	0	2	0	2	0
1 1/4	1,276.17	1 1/4	946.96	1 1/4	617.75	1 1/4	288.53	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,269.31	1 1/2	940.10	1 1/2	610.89	1 1/2	281.67	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,262.45	3/4	933.24	3/4	604.03	3/4	274.82	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
3	1,255.59	3	926.38	3	597.17	3	267.96	3	0	3	0	3	0	3	0	3	0	3	0
1 1/4	1,248.74	1 1/4	919.52	1 1/4	590.31	1 1/4	261.10	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,241.88	1 1/2	912.66	1 1/2	583.45	1 1/2	254.24	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,235.02	3/4	905.81	3/4	576.59	3/4	247.38	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
4	1,228.16	4	898.95	4	569.73	4	240.52	4	0	4	0	4	0	4	0	4	0	4	0
1 1/4	1,221.30	1 1/4	892.09	1 1/4	562.88	1 1/4	233.67	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,214.44	1 1/2	885.23	1 1/2	556.02	1 1/2	226.81	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,207.58	3/4	878.37	3/4	549.16	3/4	219.95	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
5	1,200.73	5	871.51	5	542.30	5	213.09	5	0	5	0	5	0	5	0	5	0	5	0
1 1/4	1,193.87	1 1/4	864.65	1 1/4	535.44	1 1/4	206.24	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,187.01	1 1/2	857.80	1 1/2	528.58	1 1/2	199.38	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,180.15	3/4	850.94	3/4	521.72	3/4	192.52	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
6	1,173.29	6	844.08	6	514.87	6	185.67	6	0	6	0	6	0	6	0	6	0	6	0
1 1/4	1,166.43	1 1/4	837.22	1 1/4	508.01	1 1/4	178.81	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,159.57	1 1/2	830.36	1 1/2	501.15	1 1/2	171.95	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,152.72	3/4	823.50	3/4	494.29	3/4	165.09	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
7	1,145.86	7	816.64	7	487.43	7	158.24	7	0	7	0	7	0	7	0	7	0	7	0
1 1/4	1,139.00	1 1/4	809.79	1 1/4	480.57	1 1/4	151.38	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,132.14	1 1/2	802.93	1 1/2	473.71	1 1/2	144.52	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,125.28	3/4	796.07	3/4	466.86	3/4	137.66	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
8	1,118.42	8	789.21	8	460.00	8	130.81	8	0	8	0	8	0	8	0	8	0	8	0
1 1/4	1,111.56	1 1/4	782.35	1 1/4	453.14	1 1/4	123.95	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,104.71	1 1/2	775.49	1 1/2	446.28	1 1/2	117.09	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,097.85	3/4	768.63	3/4	439.42	3/4	110.23	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
9	1,090.99	9	761.78	9	432.56	9	103.38	9	0	9	0	9	0	9	0	9	0	9	0
1 1/4	1,084.13	1 1/4	754.92	1 1/4	425.70	1 1/4	96.52	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,077.27	1 1/2	748.06	1 1/2	418.85	1 1/2	89.66	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,070.41	3/4	741.20	3/4	411.99	3/4	82.80	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
10	1,063.55	10	734.34	10	405.13	10	75.94	10	0	10	0	10	0	10	0	10	0	10	0
1 1/4	1,056.70	1 1/4	727.48	1 1/4	398.27	1 1/4	69.09	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,049.84	1 1/2	720.62	1 1/2	391.41	1 1/2	62.23	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,042.98	3/4	713.77	3/4	384.55	3/4	55.37	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
11	1,036.12	11	706.91	11	377.69	11	48.51	11	0	11	0	11	0	11	0	11	0	11	0
1 1/4	1,029.26	1 1/4	700.05	1 1/4	370.84	1 1/4	41.65	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,022.40	1 1/2	693.19	1 1/2	363.98	1 1/2	34.79	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,015.54	3/4	686.33	3/4	357.12	3/4	28.50	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0

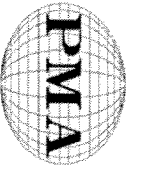
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

Pearland, Texas 77588  
P.O. Box 2092  
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ALL PRIOR TO 05/2011





# BARGE "DBL 18"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-06 3/4"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	1,551.68	1,206.97	862.26	517.56	172.85	0	0	0	0	0
1/4	1,544.50	1,199.79	855.08	510.38	165.67	0	0	0	0	0
1/2	1,537.32	1,192.61	847.90	503.19	158.49	0	0	0	0	0
3/4	1,530.13	1,185.43	840.72	496.01	151.31	0	0	0	0	0
1	1,522.95	1,178.25	833.54	488.83	144.12	0	0	0	0	0
1/4	1,515.77	1,171.06	826.36	481.65	136.94	0	0	0	0	0
1/2	1,508.59	1,163.88	819.18	474.47	129.76	0	0	0	0	0
3/4	1,501.41	1,156.70	811.99	467.29	122.58	0	0	0	0	0
2	1,494.23	1,149.52	804.81	460.11	115.40	0	0	0	0	0
1/4	1,487.05	1,142.34	797.63	452.92	108.22	0	0	0	0	0
1/2	1,479.86	1,135.16	790.45	445.74	101.04	0	0	0	0	0
3/4	1,472.68	1,127.98	783.27	438.56	93.85	0	0	0	0	0
3	1,465.50	1,120.79	776.09	431.38	86.67	0	0	0	0	0
1/4	1,458.32	1,113.61	768.91	424.20	79.49	0	0	0	0	0
1/2	1,451.14	1,106.43	761.72	417.02	72.31	0	0	0	0	0
3/4	1,443.96	1,099.25	754.54	409.84	65.13	0	0	0	0	0
4	1,436.78	1,092.07	747.36	402.65	57.95	0	0	0	0	0
1/4	1,429.60	1,084.89	740.18	395.47	50.77	0	0	0	0	0
1/2	1,422.41	1,077.71	733.00	388.29	43.58	0	0	0	0	0
3/4	1,415.23	1,070.53	725.82	381.11	36.40	0	0	0	0	0
5	1,408.05	1,063.34	718.64	373.93	29.22	0	0	0	0	0
1/4	1,400.87	1,056.16	711.46	366.75	22.04	0	0	0	0	0
1/2	1,393.69	1,048.98	704.27	359.57	16.65	0	0	0	0	0
3/4	1,386.51	1,041.80	697.09	352.39	10.07	0	0	0	0	0
6	1,379.33	1,034.62	689.91	345.20	7.68	0	0	0	0	0
1/4	1,372.14	1,027.44	682.73	338.02	5.28	0	0	0	0	0
1/2	1,364.96	1,020.26	675.55	330.84	2.89	0	0	0	0	0
3/4	1,357.78	1,013.07	668.37	323.66	0.49	0	0	0	0	0
7	1,350.60	1,005.89	661.19	316.48	0	0	0	0	0	0
1/4	1,343.42	998.71	654.00	309.30	0	0	0	0	0	0
1/2	1,336.24	991.53	646.82	302.12	0	0	0	0	0	0
3/4	1,329.06	984.35	639.64	294.93	0	0	0	0	0	0
8	1,321.87	977.17	632.46	287.75	0	0	0	0	0	0
1/4	1,314.69	969.99	625.28	280.57	0	0	0	0	0	0
1/2	1,307.51	962.80	618.10	273.39	0	0	0	0	0	0
3/4	1,300.33	955.62	610.92	266.21	0	0	0	0	0	0
9	1,293.15	948.44	603.73	259.03	0	0	0	0	0	0
1/4	1,285.97	941.26	596.55	251.85	0	0	0	0	0	0
1/2	1,278.79	934.08	589.37	244.66	0	0	0	0	0	0
3/4	1,271.60	926.90	582.19	237.48	0	0	0	0	0	0
10	1,264.42	919.72	575.01	230.30	0	0	0	0	0	0
1/4	1,257.24	912.53	567.83	223.12	0	0	0	0	0	0
1/2	1,250.06	905.35	560.65	215.94	0	0	0	0	0	0
3/4	1,242.88	898.17	553.46	208.76	0	0	0	0	0	0
11	1,235.70	890.99	546.28	201.58	0	0	0	0	0	0
1/4	1,228.52	883.81	539.10	194.39	0	0	0	0	0	0
1/2	1,221.33	876.63	531.92	187.21	0	0	0	0	0	0
3/4	1,214.15	869.45	524.74	180.03	0	0	0	0	0	0

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