



BARGE "MM 328"

ULLAGE TRIM TABLE

FORMERLY "MOC 18"

	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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 PORT	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-3/8	- 03-3/8
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

November 10, 2017

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

<http://www.pmacorp.net>



BARGE "MM 328"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 18"

GAUGE HEIGHT 15'-07 1/2"

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	2,040.91	0	1,678.00	0	1,315.39	0	952.77	0	590.04	0	232.27	0		0		0		0	
1/4	2,033.35	1/4	1,670.44	1/4	1,307.82	1/4	945.22	1/4	582.48	1/4	224.92	1/4		1/4		1/4		1/4	
1/2	2,025.79	1/2	1,662.88	1/2	1,300.26	1/2	937.67	1/2	574.92	1/2	217.57	1/2		1/2		1/2		1/2	
3/4	2,018.23	3/4	1,655.32	3/4	1,292.70	3/4	930.12	3/4	567.35	3/4	210.21	3/4		3/4		3/4		3/4	
1	2,010.67	1	1,647.76	1	1,285.14	1	922.57	1	559.79	1	202.86	1		1		1		1	
1/4	2,003.10	1/4	1,640.20	1/4	1,277.58	1/4	915.03	1/4	552.23	1/4	195.50	1/4		1/4		1/4		1/4	
1/2	1,995.54	1/2	1,632.64	1/2	1,270.02	1/2	907.48	1/2	544.67	1/2	188.15	1/2		1/2		1/2		1/2	
3/4	1,987.98	3/4	1,625.08	3/4	1,262.46	3/4	899.93	3/4	537.11	3/4	180.65	3/4		3/4		3/4		3/4	
2	1,980.42	2	1,617.52	2	1,254.90	2	892.38	2	529.55	2	173.16	2		2		2		2	
1/4	1,972.86	1/4	1,609.96	1/4	1,247.34	1/4	884.83	1/4	521.99	1/4	165.66	1/4		1/4		1/4		1/4	
1/2	1,965.30	1/2	1,602.40	1/2	1,239.78	1/2	877.28	1/2	514.43	1/2	158.16	1/2		1/2		1/2		1/2	
3/4	1,957.74	3/4	1,594.85	3/4	1,232.22	3/4	869.73	3/4	506.87	3/4	150.64	3/4		3/4		3/4		3/4	
3	1,950.18	3	1,587.31	3	1,224.66	3	862.19	3	499.30	3	143.11	3		3		3		3	
1/4	1,942.62	1/4	1,579.76	1/4	1,217.09	1/4	854.64	1/4	491.74	1/4	135.59	1/4		1/4		1/4		1/4	
1/2	1,935.06	1/2	1,572.21	1/2	1,209.53	1/2	847.09	1/2	484.18	1/2	128.06	1/2		1/2		1/2		1/2	
3/4	1,927.50	3/4	1,564.67	3/4	1,201.97	3/4	839.53	3/4	476.62	3/4	120.56	3/4		3/4		3/4		3/4	
4	1,919.94	4	1,557.13	4	1,194.41	4	831.97	4	469.06	4	113.06	4		4		4		4	
1/4	1,912.38	1/4	1,549.59	1/4	1,186.85	1/4	824.42	1/4	461.50	1/4	105.56	1/4		1/4		1/4		1/4	
1/2	1,904.82	1/2	1,542.04	1/2	1,179.29	1/2	816.86	1/2	453.94	1/2	98.06	1/2		1/2		1/2		1/2	
3/4	1,897.26	3/4	1,534.50	3/4	1,171.73	3/4	809.30	3/4	446.38	3/4	91.02	3/4		3/4		3/4		3/4	
5	1,889.70	5	1,526.96	5	1,164.17	5	801.74	5	438.82	5	83.97	5		5		5		5	
1/4	1,882.14	1/4	1,519.42	1/4	1,156.61	1/4	794.18	1/4	431.25	1/4	76.92	1/4		1/4		1/4		1/4	
1/2	1,874.58	1/2	1,511.88	1/2	1,149.05	1/2	786.62	1/2	423.69	1/2	69.88	1/2		1/2		1/2		1/2	
3/4	1,867.02	3/4	1,504.33	3/4	1,141.49	3/4	779.06	3/4	416.29	3/4	63.92	3/4		3/4		3/4		3/4	
6	1,859.46	6	1,496.79	6	1,133.94	6	771.49	6	408.88	6	57.97	6		6		6		6	
1/4	1,851.89	1/4	1,489.25	1/4	1,126.39	1/4	763.93	1/4	401.48	1/4	52.02	1/4		1/4		1/4		1/4	
1/2	1,844.33	1/2	1,481.71	1/2	1,118.84	1/2	756.37	1/2	394.07	1/2	46.07	1/2		1/2		1/2		1/2	
3/4	1,836.77	3/4	1,474.15	3/4	1,111.29	3/4	748.81	3/4	386.71	3/4	41.37	3/4		3/4		3/4		3/4	
7	1,829.21	7	1,466.59	7	1,103.74	7	741.25	7	379.36	7	36.68	7		7		7		7	
1/4	1,821.65	1/4	1,459.04	1/4	1,096.19	1/4	733.69	1/4	372.01	1/4	31.99	1/4		1/4		1/4		1/4	
1/2	1,814.09	1/2	1,451.48	1/2	1,088.64	1/2	726.13	1/2	364.65	1/2	27.29	1/2		1/2		1/2		1/2	
3/4	1,806.53	3/4	1,443.92	3/4	1,081.10	3/4	718.57	3/4	357.30	3/4		3/4		3/4		3/4		3/4	
8	1,798.97	8	1,436.36	8	1,073.55	8	711.01	8	349.94	8		8		8		8		8	
1/4	1,791.41	1/4	1,428.80	1/4	1,066.00	1/4	703.45	1/4	342.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,783.85	1/2	1,421.24	1/2	1,058.45	1/2	695.89	1/2	335.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,776.29	3/4	1,413.68	3/4	1,050.90	3/4	688.33	3/4	327.88	3/4		3/4		3/4		3/4		3/4	
9	1,768.73	9	1,406.12	9	1,043.35	9	680.77	9	320.53	9		9		9		9		9	
1/4	1,761.17	1/4	1,398.56	1/4	1,035.80	1/4	673.21	1/4	313.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,753.61	1/2	1,390.99	1/2	1,028.26	1/2	665.65	1/2	305.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,746.05	3/4	1,383.43	3/4	1,020.71	3/4	658.09	3/4	298.46	3/4		3/4		3/4		3/4		3/4	
10	1,738.49	10	1,375.87	10	1,013.16	10	650.53	10	291.11	10		10		10		10		10	
1/4	1,730.93	1/4	1,368.31	1/4	1,005.61	1/4	642.96	1/4	283.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,723.37	1/2	1,360.75	1/2	998.06	1/2	635.40	1/2	276.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,715.81	3/4	1,353.19	3/4	990.51	3/4	627.84	3/4	269.05	3/4		3/4		3/4		3/4		3/4	
11	1,708.25	11	1,345.63	11	982.96	11	620.28	11	261.69	11		11		11		11		11	
1/4	1,700.68	1/4	1,338.07	1/4	975.42	1/4	612.72	1/4	254.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,693.12	1/2	1,330.51	1/2	967.87	1/2	605.16	1/2	246.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,685.56	3/4	1,322.95	3/4	960.32	3/4	597.60	3/4	239.63	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
NAME CHANGE: 11/10/2017

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MM 328"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 18"

GAUGE HEIGHT 15'-07 3/4"

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	2,047.56	0	1,684.48	0	1,321.69	0	959.68	0	597.89	0	239.74	0		0		0		0	
1/4	2,039.99	1/4	1,676.92	1/4	1,314.12	1/4	952.16	1/4	590.32	1/4	232.39	1/4		1/4		1/4		1/4	
1/2	2,032.43	1/2	1,669.35	1/2	1,306.56	1/2	944.65	1/2	582.76	1/2	225.03	1/2		1/2		1/2		1/2	
3/4	2,024.87	3/4	1,661.79	3/4	1,299.00	3/4	937.14	3/4	575.19	3/4	217.67	3/4		3/4		3/4		3/4	
1	2,017.30	1	1,654.22	1	1,291.43	1	929.63	1	567.63	1	210.31	1		1		1		1	
1/4	2,009.74	1/4	1,646.66	1/4	1,283.87	1/4	922.11	1/4	560.06	1/4	202.96	1/4		1/4		1/4		1/4	
1/2	2,002.17	1/2	1,639.10	1/2	1,276.30	1/2	914.60	1/2	552.50	1/2	195.60	1/2		1/2		1/2		1/2	
3/4	1,994.61	3/4	1,631.53	3/4	1,268.74	3/4	907.09	3/4	544.94	3/4	188.24	3/4		3/4		3/4		3/4	
2	1,987.04	2	1,623.97	2	1,261.17	2	899.57	2	537.37	2	180.74	2		2		2		2	
1/4	1,979.48	1/4	1,616.40	1/4	1,253.61	1/4	892.06	1/4	529.81	1/4	173.24	1/4		1/4		1/4		1/4	
1/2	1,971.92	1/2	1,608.84	1/2	1,246.04	1/2	884.55	1/2	522.24	1/2	165.74	1/2		1/2		1/2		1/2	
3/4	1,964.35	3/4	1,601.28	3/4	1,238.48	3/4	877.04	3/4	514.68	3/4	158.24	3/4		3/4		3/4		3/4	
3	1,956.79	3	1,593.73	3	1,230.92	3	869.52	3	507.11	3	150.71	3		3		3		3	
1/4	1,949.22	1/4	1,586.18	1/4	1,223.35	1/4	862.01	1/4	499.55	1/4	143.18	1/4		1/4		1/4		1/4	
1/2	1,941.66	1/2	1,578.62	1/2	1,215.79	1/2	854.50	1/2	491.98	1/2	135.65	1/2		1/2		1/2		1/2	
3/4	1,934.10	3/4	1,571.07	3/4	1,208.22	3/4	846.99	3/4	484.42	3/4	128.12	3/4		3/4		3/4		3/4	
4	1,926.53	4	1,563.53	4	1,200.66	4	839.46	4	476.85	4	120.62	4		4		4		4	
1/4	1,918.97	1/4	1,555.98	1/4	1,193.09	1/4	831.94	1/4	469.29	1/4	113.12	1/4		1/4		1/4		1/4	
1/2	1,911.40	1/2	1,548.44	1/2	1,185.53	1/2	824.42	1/2	461.72	1/2	105.61	1/2		1/2		1/2		1/2	
3/4	1,903.84	3/4	1,540.89	3/4	1,177.96	3/4	816.90	3/4	454.16	3/4	98.11	3/4		3/4		3/4		3/4	
5	1,896.28	5	1,533.35	5	1,170.40	5	809.37	5	446.59	5	91.06	5		5		5		5	
1/4	1,888.71	1/4	1,525.80	1/4	1,162.83	1/4	801.85	1/4	439.03	1/4	84.01	1/4		1/4		1/4		1/4	
1/2	1,881.15	1/2	1,518.25	1/2	1,155.27	1/2	794.32	1/2	431.46	1/2	76.96	1/2		1/2		1/2		1/2	
3/4	1,873.58	3/4	1,510.71	3/4	1,147.71	3/4	786.80	3/4	423.90	3/4	69.91	3/4		3/4		3/4		3/4	
6	1,866.02	6	1,503.16	6	1,140.15	6	779.27	6	416.49	6	63.96	6		6		6		6	
1/4	1,858.45	1/4	1,495.62	1/4	1,132.60	1/4	771.75	1/4	409.08	1/4	58.00	1/4		1/4		1/4		1/4	
1/2	1,850.89	1/2	1,488.07	1/2	1,125.04	1/2	764.22	1/2	401.67	1/2	52.04	1/2		1/2		1/2		1/2	
3/4	1,843.33	3/4	1,480.53	3/4	1,117.48	3/4	756.70	3/4	394.26	3/4	46.09	3/4		3/4		3/4		3/4	
7	1,835.76	7	1,472.97	7	1,109.96	7	749.15	7	386.90	7	41.39	7		7		7		7	
1/4	1,828.20	1/4	1,465.41	1/4	1,102.44	1/4	741.59	1/4	379.54	1/4	36.70	1/4		1/4		1/4		1/4	
1/2	1,820.63	1/2	1,457.85	1/2	1,094.92	1/2	734.04	1/2	372.19	1/2	32.00	1/2		1/2		1/2		1/2	
3/4	1,813.07	3/4	1,450.29	3/4	1,087.39	3/4	726.48	3/4	364.83	3/4	27.31	3/4		3/4		3/4		3/4	
8	1,805.51	8	1,442.72	8	1,079.88	8	718.92	8	357.47	8		8		8		8		8	
1/4	1,797.94	1/4	1,435.16	1/4	1,072.37	1/4	711.35	1/4	350.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,790.38	1/2	1,427.59	1/2	1,064.86	1/2	703.79	1/2	342.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,782.81	3/4	1,420.03	3/4	1,057.34	3/4	696.23	3/4	335.40	3/4		3/4		3/4		3/4		3/4	
9	1,775.25	9	1,412.46	9	1,049.83	9	688.66	9	328.04	9		9		9		9		9	
1/4	1,767.69	1/4	1,404.90	1/4	1,042.32	1/4	681.10	1/4	320.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,760.12	1/2	1,397.33	1/2	1,034.81	1/2	673.53	1/2	313.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,752.56	3/4	1,389.77	3/4	1,027.29	3/4	665.97	3/4	305.97	3/4		3/4		3/4		3/4		3/4	
10	1,744.99	10	1,382.21	10	1,019.78	10	658.40	10	298.61	10		10		10		10		10	
1/4	1,737.43	1/4	1,374.64	1/4	1,012.27	1/4	650.84	1/4	291.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,729.87	1/2	1,367.08	1/2	1,004.75	1/2	643.28	1/2	283.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,722.30	3/4	1,359.51	3/4	997.24	3/4	635.71	3/4	276.53	3/4		3/4		3/4		3/4		3/4	
11	1,714.74	11	1,351.95	11	989.73	11	628.15	11	269.18	11		11		11		11		11	
1/4	1,707.17	1/4	1,344.38	1/4	982.22	1/4	620.58	1/4	261.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,699.61	1/2	1,336.82	1/2	974.70	1/2	613.02	1/2	254.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,692.04	3/4	1,329.25	3/4	967.19	3/4	605.45	3/4	247.10	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
NAME CHANGE: 11/10/2017

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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BARGE "MM 328"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 18"

GAUGE HEIGHT 15'-07 1/4"

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	2,025.41	0	1,663.61	0	1,303.72	0	942.25	0	580.64	0	224.21	0		0		0		0	
1/4	2,017.87	1/4	1,656.08	1/4	1,296.19	1/4	934.73	1/4	573.10	1/4	216.88	1/4		1/4		1/4		1/4	
1/2	2,010.33	1/2	1,648.54	1/2	1,288.65	1/2	927.20	1/2	565.56	1/2	209.55	1/2		1/2		1/2		1/2	
3/4	2,002.79	3/4	1,641.00	3/4	1,281.11	3/4	919.68	3/4	558.02	3/4	202.22	3/4		3/4		3/4		3/4	
1	1,995.26	1	1,633.47	1	1,273.57	1	912.15	1	550.49	1	194.89	1		1		1		1	
1/4	1,987.72	1/4	1,625.93	1/4	1,266.04	1/4	904.63	1/4	542.95	1/4	187.56	1/4		1/4		1/4		1/4	
1/2	1,980.18	1/2	1,618.39	1/2	1,258.50	1/2	897.10	1/2	535.41	1/2	180.09	1/2		1/2		1/2		1/2	
3/4	1,972.64	3/4	1,610.85	3/4	1,250.96	3/4	889.58	3/4	527.87	3/4	172.61	3/4		3/4		3/4		3/4	
2	1,965.11	2	1,603.32	2	1,243.42	2	882.05	2	520.34	2	165.14	2		2		2		2	
1/4	1,957.57	1/4	1,595.78	1/4	1,235.89	1/4	874.53	1/4	512.80	1/4	157.67	1/4		1/4		1/4		1/4	
1/2	1,950.03	1/2	1,588.33	1/2	1,228.35	1/2	867.00	1/2	505.26	1/2	150.17	1/2		1/2		1/2		1/2	
3/4	1,942.49	3/4	1,580.88	3/4	1,220.81	3/4	859.48	3/4	497.72	3/4	142.67	3/4		3/4		3/4		3/4	
3	1,934.96	3	1,573.43	3	1,213.28	3	851.95	3	490.19	3	135.16	3		3		3		3	
1/4	1,927.42	1/4	1,565.99	1/4	1,205.74	1/4	844.43	1/4	482.65	1/4	127.66	1/4		1/4		1/4		1/4	
1/2	1,919.88	1/2	1,558.57	1/2	1,198.20	1/2	836.89	1/2	475.11	1/2	120.19	1/2		1/2		1/2		1/2	
3/4	1,912.35	3/4	1,551.15	3/4	1,190.66	3/4	829.36	3/4	467.57	3/4	112.71	3/4		3/4		3/4		3/4	
4	1,904.81	4	1,543.73	4	1,183.13	4	821.82	4	460.04	4	105.23	4		4		4		4	
1/4	1,897.27	1/4	1,536.31	1/4	1,175.59	1/4	814.29	1/4	452.50	1/4	97.76	1/4		1/4		1/4		1/4	
1/2	1,889.73	1/2	1,528.89	1/2	1,168.05	1/2	806.75	1/2	444.96	1/2	90.73	1/2		1/2		1/2		1/2	
3/4	1,882.20	3/4	1,521.47	3/4	1,160.51	3/4	799.21	3/4	437.42	3/4	83.71	3/4		3/4		3/4		3/4	
5	1,874.66	5	1,514.06	5	1,152.98	5	791.68	5	429.89	5	76.68	5		5		5		5	
1/4	1,867.12	1/4	1,506.64	1/4	1,145.44	1/4	784.14	1/4	422.35	1/4	69.66	1/4		1/4		1/4		1/4	
1/2	1,859.58	1/2	1,499.22	1/2	1,137.91	1/2	776.60	1/2	414.97	1/2	63.73	1/2		1/2		1/2		1/2	
3/4	1,852.05	3/4	1,491.80	3/4	1,130.38	3/4	769.07	3/4	407.58	3/4	57.79	3/4		3/4		3/4		3/4	
6	1,844.51	6	1,484.38	6	1,122.85	6	761.53	6	400.20	6	51.86	6		6		6		6	
1/4	1,836.97	1/4	1,476.96	1/4	1,115.33	1/4	753.99	1/4	392.82	1/4	45.92	1/4		1/4		1/4		1/4	
1/2	1,829.44	1/2	1,469.46	1/2	1,107.80	1/2	746.46	1/2	385.49	1/2	41.24	1/2		1/2		1/2		1/2	
3/4	1,821.90	3/4	1,461.95	3/4	1,100.28	3/4	738.92	3/4	378.16	3/4	36.57	3/4		3/4		3/4		3/4	
7	1,814.36	7	1,454.44	7	1,092.75	7	731.38	7	370.83	7	31.89	7		7		7		7	
1/4	1,806.82	1/4	1,446.93	1/4	1,085.23	1/4	723.84	1/4	363.50	1/4	27.21	1/4		1/4		1/4		1/4	
1/2	1,799.29	1/2	1,439.39	1/2	1,077.70	1/2	716.31	1/2	356.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,791.75	3/4	1,431.86	3/4	1,070.18	3/4	708.77	3/4	348.84	3/4		3/4		3/4		3/4		3/4	
8	1,784.21	8	1,424.32	8	1,062.65	8	701.23	8	341.50	8		8		8		8		8	
1/4	1,776.67	1/4	1,416.78	1/4	1,055.13	1/4	693.70	1/4	334.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,769.14	1/2	1,409.25	1/2	1,047.60	1/2	686.16	1/2	326.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,761.60	3/4	1,401.71	3/4	1,040.08	3/4	678.62	3/4	319.51	3/4		3/4		3/4		3/4		3/4	
9	1,754.06	9	1,394.17	9	1,032.55	9	671.09	9	312.18	9		9		9		9		9	
1/4	1,746.53	1/4	1,386.63	1/4	1,025.03	1/4	663.55	1/4	304.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,738.99	1/2	1,379.10	1/2	1,017.50	1/2	656.01	1/2	297.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,731.45	3/4	1,371.56	3/4	1,009.98	3/4	648.47	3/4	290.19	3/4		3/4		3/4		3/4		3/4	
10	1,723.91	10	1,364.02	10	1,002.45	10	640.94	10	282.86	10		10		10		10		10	
1/4	1,716.38	1/4	1,356.48	1/4	994.93	1/4	633.40	1/4	275.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,708.84	1/2	1,348.95	1/2	987.40	1/2	625.86	1/2	268.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,701.30	3/4	1,341.41	3/4	979.88	3/4	618.32	3/4	260.87	3/4		3/4		3/4		3/4		3/4	
11	1,693.76	11	1,333.87	11	972.35	11	610.79	11	253.54	11		11		11		11		11	
1/4	1,686.23	1/4	1,326.34	1/4	964.83	1/4	603.25	1/4	246.21	1/4		1/4		1/4		1/4		1/4	
1/2	1,678.69	1/2	1,318.80	1/2	957.30	1/2	595.71	1/2	238.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,671.15	3/4	1,311.26	3/4	949.78	3/4	588.17	3/4	231.54	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
NAME CHANGE: 11/10/2017

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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



BARGE "MM 328"

**2 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 18"

GAUGE HEIGHT 15'-08"

Table with columns for height (0 to 9 FT) and ullage (0 to 3/4). It contains capacity values in barrels for various gauge heights and ullage levels across different tank sections.

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 ULLAGE GAUGES TAKEN TO THE 2" CAP ON "HERMETIC" VALVE. GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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





BARGE "MM 328"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 18"

GAUGE HEIGHT 15'-08"

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	2,030.87	0	1,669.08	0	1,309.19	0	954.47	0	603.25	0	246.21	0		0		0		0	
1/4	2,023.33	1/4	1,661.54	1/4	1,301.65	1/4	947.30	1/4	595.71	1/4	238.88	1/4		1/4		1/4		1/4	
1/2	2,015.80	1/2	1,654.01	1/2	1,294.11	1/2	940.13	1/2	588.17	1/2	231.54	1/2		1/2		1/2		1/2	
3/4	2,008.26	3/4	1,646.47	3/4	1,286.58	3/4	932.96	3/4	580.64	3/4	224.21	3/4		3/4		3/4		3/4	
1	2,000.72	1	1,638.93	1	1,279.04	1	925.80	1	573.10	1	216.88	1		1		1		1	
1/4	1,993.18	1/4	1,631.39	1/4	1,271.50	1/4	918.63	1/4	565.56	1/4	209.55	1/4		1/4		1/4		1/4	
1/2	1,985.65	1/2	1,623.86	1/2	1,263.96	1/2	911.46	1/2	558.02	1/2	202.22	1/2		1/2		1/2		1/2	
3/4	1,978.11	3/4	1,616.32	3/4	1,256.43	3/4	904.29	3/4	550.49	3/4	194.89	3/4		3/4		3/4		3/4	
2	1,970.57	2	1,608.78	2	1,248.89	2	897.12	2	542.95	2	187.56	2		2		2		2	
1/4	1,963.03	1/4	1,601.24	1/4	1,241.35	1/4	889.96	1/4	535.41	1/4	180.09	1/4		1/4		1/4		1/4	
1/2	1,955.50	1/2	1,593.71	1/2	1,233.82	1/2	882.79	1/2	527.87	1/2	172.61	1/2		1/2		1/2		1/2	
3/4	1,947.96	3/4	1,586.17	3/4	1,226.28	3/4	875.62	3/4	520.34	3/4	165.14	3/4		3/4		3/4		3/4	
3	1,940.42	3	1,578.63	3	1,218.74	3	868.45	3	512.80	3	157.67	3		3		3		3	
1/4	1,932.89	1/4	1,571.18	1/4	1,211.20	1/4	861.28	1/4	505.26	1/4	150.17	1/4		1/4		1/4		1/4	
1/2	1,925.35	1/2	1,563.74	1/2	1,203.67	1/2	854.12	1/2	497.72	1/2	142.67	1/2		1/2		1/2		1/2	
3/4	1,917.81	3/4	1,556.29	3/4	1,196.13	3/4	846.95	3/4	490.19	3/4	135.16	3/4		3/4		3/4		3/4	
4	1,910.27	4	1,548.84	4	1,188.59	4	839.78	4	482.65	4	127.66	4		4		4		4	
1/4	1,902.74	1/4	1,541.42	1/4	1,181.05	1/4	832.60	1/4	475.11	1/4	120.19	1/4		1/4		1/4		1/4	
1/2	1,895.20	1/2	1,534.00	1/2	1,173.52	1/2	825.43	1/2	467.57	1/2	112.71	1/2		1/2		1/2		1/2	
3/4	1,887.66	3/4	1,526.58	3/4	1,165.98	3/4	818.25	3/4	460.04	3/4	105.23	3/4		3/4		3/4		3/4	
5	1,880.12	5	1,519.17	5	1,158.44	5	811.07	5	452.50	5	97.76	5		5		5		5	
1/4	1,872.59	1/4	1,511.75	1/4	1,150.90	1/4	803.89	1/4	444.96	1/4	90.73	1/4		1/4		1/4		1/4	
1/2	1,865.05	1/2	1,504.33	1/2	1,143.37	1/2	796.71	1/2	437.42	1/2	83.71	1/2		1/2		1/2		1/2	
3/4	1,857.51	3/4	1,496.91	3/4	1,135.83	3/4	789.53	3/4	429.89	3/4	76.68	3/4		3/4		3/4		3/4	
6	1,849.98	6	1,489.49	6	1,128.29	6	782.36	6	422.35	6	69.66	6		6		6		6	
1/4	1,842.44	1/4	1,482.07	1/4	1,120.76	1/4	775.18	1/4	414.97	1/4	63.73	1/4		1/4		1/4		1/4	
1/2	1,834.90	1/2	1,474.65	1/2	1,113.24	1/2	768.00	1/2	407.58	1/2	57.79	1/2		1/2		1/2		1/2	
3/4	1,827.36	3/4	1,467.23	3/4	1,105.71	3/4	760.82	3/4	400.20	3/4	51.86	3/4		3/4		3/4		3/4	
7	1,819.83	7	1,459.82	7	1,098.18	7	753.64	7	392.82	7	45.92	7		7		7		7	
1/4	1,812.29	1/4	1,452.31	1/4	1,090.92	1/4	746.19	1/4	385.49	1/4	41.24	1/4		1/4		1/4		1/4	
1/2	1,804.75	1/2	1,444.80	1/2	1,083.67	1/2	738.74	1/2	378.16	1/2	36.57	1/2		1/2		1/2		1/2	
3/4	1,797.21	3/4	1,437.29	3/4	1,076.41	3/4	731.29	3/4	370.83	3/4	31.89	3/4		3/4		3/4		3/4	
8	1,789.68	8	1,429.79	8	1,069.15	8	723.84	8	363.50	8	27.21	8		8		8		8	
1/4	1,782.14	1/4	1,422.25	1/4	1,061.98	1/4	716.31	1/4	356.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,774.60	1/2	1,414.71	1/2	1,054.82	1/2	708.77	1/2	348.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,767.06	3/4	1,407.17	3/4	1,047.65	3/4	701.23	3/4	341.50	3/4		3/4		3/4		3/4		3/4	
9	1,759.53	9	1,399.64	9	1,040.48	9	693.70	9	334.17	9		9		9		9		9	
1/4	1,751.99	1/4	1,392.10	1/4	1,033.31	1/4	686.16	1/4	326.84	1/4		1/4		1/4		1/4		1/4	
1/2	1,744.45	1/2	1,384.56	1/2	1,026.14	1/2	678.62	1/2	319.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,736.92	3/4	1,377.02	3/4	1,018.98	3/4	671.09	3/4	312.18	3/4		3/4		3/4		3/4		3/4	
10	1,729.38	10	1,369.49	10	1,011.81	10	663.55	10	304.85	10		10		10		10		10	
1/4	1,721.84	1/4	1,361.95	1/4	1,004.64	1/4	656.01	1/4	297.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,714.30	1/2	1,354.41	1/2	997.47	1/2	648.47	1/2	290.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,706.77	3/4	1,346.87	3/4	990.31	3/4	640.94	3/4	282.86	3/4		3/4		3/4		3/4		3/4	
11	1,699.23	11	1,339.34	11	983.14	11	633.40	11	275.53	11		11		11		11		11	
1/4	1,691.69	1/4	1,331.80	1/4	975.97	1/4	625.86	1/4	268.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,684.15	1/2	1,324.26	1/2	968.80	1/2	618.32	1/2	260.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,676.62	3/4	1,316.73	3/4	961.63	3/4	610.79	3/4	253.54	3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
NAME CHANGE: 11/10/2017

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "MM 328"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 18"

GAUGE HEIGHT 15'-07 3/4"

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	2,032.32	0	1,671.91	0	1,313.73	0	953.61	0	593.41	0	237.96	0		0		0		0	
1/4	2,024.81	1/4	1,664.41	1/4	1,306.22	1/4	946.12	1/4	585.90	1/4	230.65	1/4		1/4		1/4		1/4	
1/2	2,017.30	1/2	1,656.90	1/2	1,298.71	1/2	938.62	1/2	578.39	1/2	223.35	1/2		1/2		1/2		1/2	
3/4	2,009.80	3/4	1,649.39	3/4	1,291.20	3/4	931.13	3/4	570.88	3/4	216.05	3/4		3/4		3/4		3/4	
1	2,002.29	1	1,641.88	1	1,283.69	1	923.63	1	563.37	1	208.75	1		1		1		1	
1/4	1,994.78	1/4	1,634.37	1/4	1,276.19	1/4	916.13	1/4	555.87	1/4	201.45	1/4		1/4		1/4		1/4	
1/2	1,987.27	1/2	1,626.86	1/2	1,268.68	1/2	908.64	1/2	548.36	1/2	194.14	1/2		1/2		1/2		1/2	
3/4	1,979.76	3/4	1,619.35	3/4	1,261.17	3/4	901.14	3/4	540.85	3/4	186.84	3/4		3/4		3/4		3/4	
2	1,972.25	2	1,611.85	2	1,253.66	2	893.65	2	533.34	2	179.40	2		2		2		2	
1/4	1,964.75	1/4	1,604.34	1/4	1,246.15	1/4	886.15	1/4	525.83	1/4	171.95	1/4		1/4		1/4		1/4	
1/2	1,957.24	1/2	1,596.83	1/2	1,238.64	1/2	878.65	1/2	518.32	1/2	164.51	1/2		1/2		1/2		1/2	
3/4	1,949.73	3/4	1,589.32	3/4	1,231.13	3/4	871.16	3/4	510.81	3/4	157.07	3/4		3/4		3/4		3/4	
3	1,942.22	3	1,581.82	3	1,223.63	3	863.66	3	503.31	3	149.59	3		3		3		3	
1/4	1,934.71	1/4	1,574.31	1/4	1,216.12	1/4	856.16	1/4	495.80	1/4	142.12	1/4		1/4		1/4		1/4	
1/2	1,927.20	1/2	1,566.80	1/2	1,208.61	1/2	848.67	1/2	488.29	1/2	134.65	1/2		1/2		1/2		1/2	
3/4	1,919.69	3/4	1,559.30	3/4	1,201.10	3/4	841.17	3/4	480.78	3/4	127.17	3/4		3/4		3/4		3/4	
4	1,912.19	4	1,552.33	4	1,193.59	4	833.67	4	473.27	4	119.73	4		4		4		4	
1/4	1,904.68	1/4	1,544.82	1/4	1,186.08	1/4	826.16	1/4	465.76	1/4	112.28	1/4		1/4		1/4		1/4	
1/2	1,897.17	1/2	1,537.31	1/2	1,178.57	1/2	818.66	1/2	458.25	1/2	104.83	1/2		1/2		1/2		1/2	
3/4	1,889.66	3/4	1,530.22	3/4	1,171.07	3/4	811.15	3/4	450.74	3/4	97.38	3/4		3/4		3/4		3/4	
5	1,882.15	5	1,522.85	5	1,163.56	5	803.64	5	443.24	5	90.39	5		5		5		5	
1/4	1,874.64	1/4	1,515.34	1/4	1,156.05	1/4	796.13	1/4	435.73	1/4	83.39	1/4		1/4		1/4		1/4	
1/2	1,867.13	1/2	1,507.83	1/2	1,148.54	1/2	788.63	1/2	428.22	1/2	76.39	1/2		1/2		1/2		1/2	
3/4	1,859.63	3/4	1,500.75	3/4	1,141.03	3/4	781.12	3/4	420.71	3/4	69.40	3/4		3/4		3/4		3/4	
6	1,852.12	6	1,493.38	6	1,133.53	6	773.61	6	413.36	6	63.48	6		6		6		6	
1/4	1,844.61	1/4	1,486.01	1/4	1,126.03	1/4	766.10	1/4	406.00	1/4	57.57	1/4		1/4		1/4		1/4	
1/2	1,837.10	1/2	1,478.64	1/2	1,118.53	1/2	758.59	1/2	398.65	1/2	51.66	1/2		1/2		1/2		1/2	
3/4	1,829.59	3/4	1,471.27	3/4	1,111.03	3/4	751.08	3/4	391.30	3/4	45.75	3/4		3/4		3/4		3/4	
7	1,822.08	7	1,463.79	7	1,103.54	7	743.58	7	383.99	7	41.09	7		7		7		7	
1/4	1,814.58	1/4	1,456.32	1/4	1,096.04	1/4	736.07	1/4	376.69	1/4	36.43	1/4		1/4		1/4		1/4	
1/2	1,807.07	1/2	1,448.85	1/2	1,088.55	1/2	728.56	1/2	369.39	1/2	31.77	1/2		1/2		1/2		1/2	
3/4	1,799.56	3/4	1,441.37	3/4	1,081.05	3/4	721.05	3/4	362.09	3/4	27.11	3/4		3/4		3/4		3/4	
8	1,792.05	8	1,433.86	8	1,073.55	8	713.54	8	354.79	8		8		8		8		8	
1/4	1,784.54	1/4	1,426.36	1/4	1,066.06	1/4	706.04	1/4	347.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,777.03	1/2	1,418.85	1/2	1,058.56	1/2	698.53	1/2	340.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,769.52	3/4	1,411.34	3/4	1,051.07	3/4	691.02	3/4	332.88	3/4		3/4		3/4		3/4		3/4	
9	1,762.02	9	1,403.83	9	1,043.57	9	683.51	9	325.58	9		9		9		9		9	
1/4	1,754.51	1/4	1,396.32	1/4	1,036.07	1/4	676.00	1/4	318.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,747.00	1/2	1,388.81	1/2	1,028.58	1/2	668.49	1/2	310.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,739.49	3/4	1,381.30	3/4	1,021.08	3/4	660.99	3/4	303.67	3/4		3/4		3/4		3/4		3/4	
10	1,731.98	10	1,373.80	10	1,013.58	10	653.48	10	296.37	10		10		10		10		10	
1/4	1,724.47	1/4	1,366.29	1/4	1,006.09	1/4	645.97	1/4	289.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,716.96	1/2	1,358.78	1/2	998.59	1/2	638.46	1/2	281.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,709.46	3/4	1,351.27	3/4	991.10	3/4	630.95	3/4	274.47	3/4		3/4		3/4		3/4		3/4	
11	1,701.95	11	1,343.76	11	983.60	11	623.44	11	267.16	11		11		11		11		11	
1/4	1,694.44	1/4	1,336.25	1/4	976.10	1/4	615.93	1/4	259.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,686.93	1/2	1,328.75	1/2	968.61	1/2	608.43	1/2	252.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,679.42	3/4	1,321.24	3/4	961.11	3/4	600.92	3/4	245.26	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
NAME CHANGE: 11/10/2017

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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



BARGE "MM 328"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 18"

GAUGE HEIGHT 15'-07 1/2"

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	1,997.74	0	1,638.18	0	1,281.20	0	932.43	0	584.86	0	230.34	0		0		0		0	
1/4	1,990.25	1/4	1,630.69	1/4	1,273.73	1/4	925.42	1/4	577.36	1/4	223.06	1/4		1/4		1/4		1/4	
1/2	1,982.76	1/2	1,623.19	1/2	1,266.26	1/2	918.40	1/2	569.87	1/2	215.77	1/2		1/2		1/2		1/2	
3/4	1,975.27	3/4	1,615.70	3/4	1,258.79	3/4	911.39	3/4	562.38	3/4	208.48	3/4		3/4		3/4		3/4	
1	1,967.78	1	1,608.21	1	1,251.32	1	904.37	1	554.88	1	201.20	1		1		1		1	
1/4	1,960.28	1/4	1,600.72	1/4	1,243.85	1/4	897.36	1/4	547.39	1/4	193.91	1/4		1/4		1/4		1/4	
1/2	1,952.79	1/2	1,593.23	1/2	1,236.38	1/2	890.34	1/2	539.90	1/2	186.62	1/2		1/2		1/2		1/2	
3/4	1,945.30	3/4	1,585.74	3/4	1,228.91	3/4	883.33	3/4	532.40	3/4	179.20	3/4		3/4		3/4		3/4	
2	1,937.81	2	1,578.25	2	1,221.44	2	876.32	2	524.91	2	171.77	2		2		2		2	
1/4	1,930.32	1/4	1,570.76	1/4	1,213.97	1/4	869.30	1/4	517.42	1/4	164.34	1/4		1/4		1/4		1/4	
1/2	1,922.83	1/2	1,563.27	1/2	1,206.50	1/2	862.29	1/2	509.92	1/2	156.91	1/2		1/2		1/2		1/2	
3/4	1,915.34	3/4	1,555.88	3/4	1,199.03	3/4	855.24	3/4	502.43	3/4	149.45	3/4		3/4		3/4		3/4	
3	1,907.85	3	1,548.49	3	1,191.56	3	848.20	3	494.94	3	141.99	3		3		3		3	
1/4	1,900.36	1/4	1,541.11	1/4	1,184.09	1/4	841.15	1/4	487.44	1/4	134.54	1/4		1/4		1/4		1/4	
1/2	1,892.87	1/2	1,533.72	1/2	1,176.62	1/2	834.10	1/2	479.95	1/2	127.08	1/2		1/2		1/2		1/2	
3/4	1,885.38	3/4	1,526.37	3/4	1,169.15	3/4	827.04	3/4	472.46	3/4	119.64	3/4		3/4		3/4		3/4	
4	1,877.89	4	1,519.02	4	1,161.68	4	819.97	4	464.96	4	112.20	4		4		4		4	
1/4	1,870.39	1/4	1,511.66	1/4	1,154.22	1/4	812.90	1/4	457.47	1/4	104.77	1/4		1/4		1/4		1/4	
1/2	1,862.90	1/2	1,504.31	1/2	1,146.75	1/2	805.84	1/2	449.98	1/2	97.33	1/2		1/2		1/2		1/2	
3/4	1,855.41	3/4	1,496.96	3/4	1,139.29	3/4	798.77	3/4	442.48	3/4	90.34	3/4		3/4		3/4		3/4	
5	1,847.92	5	1,489.61	5	1,131.84	5	791.70	5	434.99	5	83.35	5		5		5		5	
1/4	1,840.43	1/4	1,482.26	1/4	1,124.38	1/4	784.63	1/4	427.50	1/4	76.35	1/4		1/4		1/4		1/4	
1/2	1,832.94	1/2	1,474.90	1/2	1,116.93	1/2	777.56	1/2	420.00	1/2	69.36	1/2		1/2		1/2		1/2	
3/4	1,825.45	3/4	1,467.55	3/4	1,109.49	3/4	770.49	3/4	412.66	3/4	63.45	3/4		3/4		3/4		3/4	
6	1,817.96	6	1,460.20	6	1,102.04	6	763.42	6	405.33	6	57.54	6		6		6		6	
1/4	1,810.47	1/4	1,452.85	1/4	1,094.60	1/4	756.35	1/4	397.99	1/4	51.64	1/4		1/4		1/4		1/4	
1/2	1,802.98	1/2	1,445.50	1/2	1,087.16	1/2	749.28	1/2	390.65	1/2	45.73	1/2		1/2		1/2		1/2	
3/4	1,795.49	3/4	1,438.04	3/4	1,080.04	3/4	741.89	3/4	383.36	3/4	41.07	3/4		3/4		3/4		3/4	
7	1,787.99	7	1,430.58	7	1,072.92	7	734.51	7	376.08	7	36.41	7		7		7		7	
1/4	1,780.50	1/4	1,423.13	1/4	1,065.80	1/4	727.12	1/4	368.79	1/4	31.75	1/4		1/4		1/4		1/4	
1/2	1,773.01	1/2	1,415.67	1/2	1,058.68	1/2	719.73	1/2	361.50	1/2	27.09	1/2		1/2		1/2		1/2	
3/4	1,765.52	3/4	1,408.20	3/4	1,051.67	3/4	712.24	3/4	354.22	3/4		3/4		3/4		3/4		3/4	
8	1,758.03	8	1,400.72	8	1,044.66	8	704.75	8	346.93	8		8		8		8		8	
1/4	1,750.54	1/4	1,393.25	1/4	1,037.64	1/4	697.25	1/4	339.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,743.05	1/2	1,385.77	1/2	1,030.63	1/2	689.76	1/2	332.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.56	3/4	1,378.30	3/4	1,023.61	3/4	682.27	3/4	325.07	3/4		3/4		3/4		3/4		3/4	
9	1,728.07	9	1,370.83	9	1,016.60	9	674.78	9	317.78	9		9		9		9		9	
1/4	1,720.58	1/4	1,363.36	1/4	1,009.58	1/4	667.28	1/4	310.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,713.09	1/2	1,355.89	1/2	1,002.57	1/2	659.79	1/2	303.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,705.59	3/4	1,348.42	3/4	995.56	3/4	652.30	3/4	295.92	3/4		3/4		3/4		3/4		3/4	
10	1,698.10	10	1,340.96	10	988.54	10	644.80	10	288.64	10		10		10		10		10	
1/4	1,690.61	1/4	1,333.49	1/4	981.53	1/4	637.31	1/4	281.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,683.12	1/2	1,326.02	1/2	974.51	1/2	629.82	1/2	274.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,675.63	3/4	1,318.55	3/4	967.50	3/4	622.32	3/4	266.78	3/4		3/4		3/4		3/4		3/4	
11	1,668.14	11	1,311.08	11	960.49	11	614.83	11	259.49	11		11		11		11		11	
1/4	1,660.65	1/4	1,303.61	1/4	953.47	1/4	607.34	1/4	252.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,653.16	1/2	1,296.14	1/2	946.46	1/2	599.84	1/2	244.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,645.67	3/4	1,288.67	3/4	939.44	3/4	592.35	3/4	237.63	3/4		3/4		3/4		3/4		3/4	

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