



BARGE: HFL 3013

INNAGE TRIM TABLE MMC

	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	- 00-1/4	00-1/4	- 00-1/4	00-1/4
1 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 PORT	00-0/8	- 00-0/8	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
3 STBD	00-0/8	- 00-0/8	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

(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: 235'-06"

December 28, 2016



BARGE: HFL 3013
JEFFBOAT 16-2307

2 STBD
INNAGE TABLE
MMC

CAPACITIES GIVEN IN WHOLE GALLONS

FOR MANUAL GAUGING AT 2" BALL VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

REFERENCE GAUGE HEIGHT: 15'-11 5/8"

Table with columns for depth (IN) and capacity (0 FT. to 15 FT.) for various barge heights (0 to 11 feet). Each cell contains a numerical value representing capacity in whole gallons.

NOTE: GAUGE POINT: TO TOP LIP OF BALL VALVE, ON 18" DECK PIPE.
NOTE: GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK
NOTE: FOR GREATER ACCURACY, BARGE SHOULD BE UPRIGHT AND ON EVEN KEEL
NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

DATE STRAPPED: 12/18/2016 BY: JM
DATE COMPUTED: 12/28/2016 BY: CL
DATE ISSUED: 12/28/2016

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES
OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

Signature of Paul Stearns



BARGE: HFL 3013
JEFFBOAT 16-2307

3 PORT
INNAGE TABLE
MMC

CAPACITIES GIVEN IN WHOLE GALLONS

FOR MANUAL GAUGING AT 2" BALL VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

REFERENCE GAUGE HEIGHT: 15'-11 1/4"

Table with columns for IN, 0 FT., 1 FT., 2 FT., 3 FT., 4 FT., 5 FT., 6 FT., 7 FT., 8 FT., 9 FT., 10 FT., 11 FT., 12 FT., 13 FT., 14 FT., 15 FT. and rows for various tank depths (0 to 11 feet) and fractional increments (1/4, 1/2, 3/4).

NOTE: GAUGE POINT: TO TOP LIP OF BALL VALVE, ON 18" DECK PIPE.
NOTE: GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK
NOTE: FOR GREATER ACCURACY, BARGE SHOULD BE UPRIGHT AND ON EVEN KEEL
NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

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BARGE: HFL 3013
JEFFBOAT 16-2307

PORT SLOP
INNAGE TABLE
8" HATCH

CAPACITIES GIVEN IN GALLONS

REFERENCE GAUGE HEIGHT: 6'-01 7/8"

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.	IN	10 FT.	IN	11 FT.
0	0	0	1,207	0	2,413	0	3,620	0	4,826	0		0		0		0		0		0		0	
1/4	25	1/4	1,232	1/4	2,438	1/4	3,645	1/4	4,851	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	50	1/2	1,257	1/2	2,463	1/2	3,670	1/2	4,876	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	1,282	3/4	2,489	3/4	3,695	3/4	4,902	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	101	1	1,307	1	2,514	1	3,720	1	4,927	1		1		1		1		1		1		1	
1/4	126	1/4	1,332	1/4	2,539	1/4	3,745	1/4	4,952	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151	1/2	1,357	1/2	2,564	1/2	3,770	1/2	4,977	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	176	3/4	1,383	3/4	2,589	3/4	3,796	3/4	5,002	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	201	2	1,408	2	2,614	2	3,821	2	5,027	2		2		2		2		2		2		2	
1/4	226	1/4	1,433	1/4	2,639	1/4	3,846	1/4	5,052	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	251	1/2	1,458	1/2	2,664	1/2	3,871	1/2	5,078	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	277	3/4	1,483	3/4	2,690	3/4	3,896	3/4	5,103	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	302	3	1,508	3	2,715	3	3,921	3	5,128	3		3		3		3		3		3		3	
1/4	327	1/4	1,533	1/4	2,740	1/4	3,946	1/4	5,153	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	352	1/2	1,558	1/2	2,765	1/2	3,972	1/2	5,178	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	377	3/4	1,584	3/4	2,790	3/4	3,997	3/4	5,203	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	402	4	1,609	4	2,815	4	4,022	4	5,228	4		4		4		4		4		4		4	
1/4	427	1/4	1,634	1/4	2,840	1/4	4,047	1/4	5,254	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	452	1/2	1,659	1/2	2,866	1/2	4,072	1/2	5,279	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	478	3/4	1,684	3/4	2,891	3/4	4,097	3/4	5,304	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	503	5	1,709	5	2,916	5	4,122	5	5,329	5		5		5		5		5		5		5	
1/4	528	1/4	1,734	1/4	2,941	1/4	4,148	1/4	5,354	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	553	1/2	1,760	1/2	2,966	1/2	4,173	1/2	5,379	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	578	3/4	1,785	3/4	2,991	3/4	4,198	3/4	5,404	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	603	6	1,810	6	3,016	6	4,223	6	5,429	6		6		6		6		6		6		6	
1/4	628	1/4	1,835	1/4	3,042	1/4	4,248	1/4	5,455	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	654	1/2	1,860	1/2	3,067	1/2	4,273	1/2	5,480	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	679	3/4	1,885	3/4	3,092	3/4	4,298	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	704	7	1,910	7	3,117	7	4,323	7		7		7		7		7		7		7		7	
1/4	729	1/4	1,936	1/4	3,142	1/4	4,349	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	754	1/2	1,961	1/2	3,167	1/2	4,374	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	779	3/4	1,986	3/4	3,192	3/4	4,399	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	804	8	2,011	8	3,217	8	4,424	8		8		8		8		8		8		8		8	
1/4	830	1/4	2,036	1/4	3,243	1/4	4,449	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	855	1/2	2,061	1/2	3,268	1/2	4,474	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	880	3/4	2,086	3/4	3,293	3/4	4,499	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	905	9	2,111	9	3,318	9	4,525	9		9		9		9		9		9		9		9	
1/4	930	1/4	2,137	1/4	3,343	1/4	4,550	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	955	1/2	2,162	1/2	3,368	1/2	4,575	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	980	3/4	2,187	3/4	3,393	3/4	4,600	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,005	10	2,212	10	3,419	10	4,625	10		10		10		10		10		10		10		10	
1/4	1,031	1/4	2,237	1/4	3,444	1/4	4,650	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,056	1/2	2,262	1/2	3,469	1/2	4,675	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,081	3/4	2,287	3/4	3,494	3/4	4,701	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,106	11	2,313	11	3,519	11	4,726	11		11		11		11		11		11		11		11	
1/4	1,131	1/4	2,338	1/4	3,544	1/4	4,751	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,156	1/2	2,363	1/2	3,569	1/2	4,776	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,181	3/4	2,388	3/4	3,595	3/4	4,801	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

NOTE: GAUGE POINT: TO TOP LIP OF 8" HATCH.
NOTE: GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK
NOTE: FOR GREATER ACCURACY, BARGE SHOULD BE UPRIGHT AND ON EVEN KEEL
NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

DATE STRAPPED: 01/20/2017 BY: JM
DATE COMPUTED: 01/20/2017 BY: CL
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BARGE: HFL 3013
JEFFBOAT 16-2307

STBD SLOP
INNAGE TABLE
8" HATCH

CAPACITIES GIVEN IN GALLONS

REFERENCE GAUGE HEIGHT: 6'-02 1/8"

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.	IN	10 FT.	IN	11 FT.
0	0	0	1,150	0	2,300	0	3,450	0	4,600	0		0		0		0		0		0		0	
1/4	24	1/4	1,174	1/4	2,324	1/4	3,474	1/4	4,624	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	48	1/2	1,198	1/2	2,348	1/2	3,498	1/2	4,648	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	72	3/4	1,222	3/4	2,372	3/4	3,522	3/4	4,672	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	96	1	1,246	1	2,396	1	3,546	1	4,696	1		1		1		1		1		1		1	
1/4	120	1/4	1,270	1/4	2,420	1/4	3,570	1/4	4,720	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	144	1/2	1,294	1/2	2,444	1/2	3,594	1/2	4,744	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168	3/4	1,318	3/4	2,468	3/4	3,618	3/4	4,768	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	192	2	1,342	2	2,492	2	3,642	2	4,792	2		2		2		2		2		2		2	
1/4	216	1/4	1,366	1/4	2,516	1/4	3,666	1/4	4,816	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	240	1/2	1,390	1/2	2,540	1/2	3,690	1/2	4,840	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	264	3/4	1,414	3/4	2,564	3/4	3,714	3/4	4,864	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	288	3	1,438	3	2,588	3	3,738	3	4,888	3		3		3		3		3		3		3	
1/4	311	1/4	1,462	1/4	2,612	1/4	3,762	1/4	4,912	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	335	1/2	1,486	1/2	2,636	1/2	3,786	1/2	4,936	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	359	3/4	1,509	3/4	2,660	3/4	3,810	3/4	4,960	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	383	4	1,533	4	2,684	4	3,834	4	4,984	4		4		4		4		4		4		4	
1/4	407	1/4	1,557	1/4	2,708	1/4	3,858	1/4	5,008	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	431	1/2	1,581	1/2	2,731	1/2	3,882	1/2	5,032	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	455	3/4	1,605	3/4	2,755	3/4	3,906	3/4	5,056	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	479	5	1,629	5	2,779	5	3,929	5	5,080	5		5		5		5		5		5		5	
1/4	503	1/4	1,653	1/4	2,803	1/4	3,953	1/4	5,104	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	527	1/2	1,677	1/2	2,827	1/2	3,977	1/2	5,127	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	551	3/4	1,701	3/4	2,851	3/4	4,001	3/4	5,151	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	575	6	1,725	6	2,875	6	4,025	6	5,175	6		6		6		6		6		6		6	
1/4	599	1/4	1,749	1/4	2,899	1/4	4,049	1/4	5,199	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	623	1/2	1,773	1/2	2,923	1/2	4,073	1/2	5,223	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	647	3/4	1,797	3/4	2,947	3/4	4,097	3/4	5,247	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	671	7	1,821	7	2,971	7	4,121	7		7		7		7		7		7		7		7	
1/4	695	1/4	1,845	1/4	2,995	1/4	4,145	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	719	1/2	1,869	1/2	3,019	1/2	4,169	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	743	3/4	1,893	3/4	3,043	3/4	4,193	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	767	8	1,917	8	3,067	8	4,217	8		8		8		8		8		8		8		8	
1/4	791	1/4	1,941	1/4	3,091	1/4	4,241	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	815	1/2	1,965	1/2	3,115	1/2	4,265	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	839	3/4	1,989	3/4	3,139	3/4	4,289	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	863	9	2,013	9	3,163	9	4,313	9		9		9		9		9		9		9		9	
1/4	887	1/4	2,037	1/4	3,187	1/4	4,337	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	910	1/2	2,061	1/2	3,211	1/2	4,361	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	934	3/4	2,085	3/4	3,235	3/4	4,385	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	958	10	2,108	10	3,259	10	4,409	10		10		10		10		10		10		10		10	
1/4	982	1/4	2,132	1/4	3,283	1/4	4,433	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,006	1/2	2,156	1/2	3,307	1/2	4,457	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,030	3/4	2,180	3/4	3,330	3/4	4,481	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,054	11	2,204	11	3,354	11	4,505	11		11		11		11		11		11		11		11	
1/4	1,078	1/4	2,228	1/4	3,378	1/4	4,528	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,102	1/2	2,252	1/2	3,402	1/2	4,552	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,126	3/4	2,276	3/4	3,426	3/4	4,576	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

NOTE: GAUGE POINT: TO TOP LIP OF 8" HATCH.
NOTE: GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK
NOTE: FOR GREATER ACCURACY, BARGE SHOULD BE UPRIGHT AND ON EVEN KEEL
NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

DATE STRAPPED: 01/20/2017 BY: JM
DATE COMPUTED: 01/20/2017 BY: CL
DATE ISSUED: 01/20/2017

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

HFL 3012, 3013, 3014, 3015, 3016, 3017

GA B-23070

500 GALLON 48" TALL FUEL OIL TANK STRAPPING

Hulls 16-2306 thru 16-2311

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET	
INCHES	U.S. GALLONS	INCHES	U.S. GALLONS	INCHES	U.S. GALLONS	INCHES	U.S. GALLONS	INCHES	U.S. GALLONS
0	0	0	100	0	255.56	0	410	-----	-----
1/4	0	1/4	103	1/4	258.93	1/4	412	-----	-----
1/2	1	1/2	106	1/2	262.30	1/2	415	-----	-----
3/4	2	3/4	109	3/4	265.67	3/4	418	-----	-----
1	3	1	112	1	269.04	1	421	-----	-----
1 1/4	4	1 1/4	115	1 1/4	272.41	1 1/4	424	-----	-----
1 1/2	5	1 1/2	118	1 1/2	275.78	1 1/2	426	-----	-----
1 3/4	6	1 3/4	121	1 3/4	279.14	1 3/4	429	-----	-----
2	7	2	124	2	282.50	2	432	-----	-----
2 1/4	9	2 1/4	127	2 1/4	285.86	2 1/4	434	-----	-----
2 1/2	10	2 1/2	130	2 1/2	289.21	2 1/2	437	-----	-----
2 3/4	12	2 3/4	134	2 3/4	292.56	2 3/4	440	-----	-----
3	13	3	137	3	295.90	3	442	-----	-----
3 1/4	15	3 1/4	140	3 1/4	299.24	3 1/4	445	-----	-----
3 1/2	17	3 1/2	143	3 1/2	302.57	3 1/2	447	-----	-----
3 3/4	19	3 3/4	146	3 3/4	305.90	3 3/4	450	-----	-----
4	20	4	149	4	309.22	4	452	-----	-----
4 1/4	22	4 1/4	153	4 1/4	312.53	4 1/4	455	-----	-----
4 1/2	24	4 1/2	156	4 1/2	315.84	4 1/2	457	-----	-----
4 3/4	26	4 3/4	159	4 3/4	319.13	4 3/4	459	-----	-----
5	28	5	162	5	322.42	5	462	-----	-----
5 1/4	30	5 1/4	165	5 1/4	325.71	5 1/4	464	-----	-----
5 1/2	33	5 1/2	169	5 1/2	328.98	5 1/2	466	-----	-----
5 3/4	35	5 3/4	172	5 3/4	332.24	5 3/4	468	-----	-----
6	37	6	175	6	335.50	6	471	-----	-----
6 1/4	39	6 1/4	179	6 1/4	338.74	6 1/4	473	-----	-----
6 1/2	42	6 1/2	182	6 1/2	341.98	6 1/2	475	-----	-----
6 3/4	44	6 3/4	185	6 3/4	345.20	6 3/4	477	-----	-----
7	46	7	188	7	348.41	7	479	-----	-----
7 1/4	49	7 1/4	192	7 1/4	351.61	7 1/4	481	-----	-----
7 1/2	51	7 1/2	195	7 1/2	354.80	7 1/2	482	-----	-----
7 3/4	54	7 3/4	198	7 3/4	357.98	7 3/4	484	-----	-----
8	56	8	202	8	361.14	8	486	-----	-----
8 1/4	59	8 1/4	205	8 1/4	364.29	8 1/4	488	-----	-----
8 1/2	61	8 1/2	208	8 1/2	367.42	8 1/2	489	-----	-----
8 3/4	64	8 3/4	212	8 3/4	370.55	8 3/4	491	-----	-----
9	67	9	215	9	373.65	9	492	-----	-----
9 1/4	69	9 1/4	218	9 1/4	376.74	9 1/4	494	-----	-----
9 1/2	72	9 1/2	222	9 1/2	379.81	9 1/2	495	-----	-----
9 3/4	75	9 3/4	225	9 3/4	382.87	9 3/4	496	-----	-----
10	77	10	229	10	385.91	10	497	-----	-----
10 1/4	80	10 1/4	232	10 1/4	388.94	10 1/4	498	-----	-----
10 1/2	83	10 1/2	235	10 1/2	391.94	10 1/2	499	-----	-----
10 3/4	86	10 3/4	239	10 3/4	394.93	10 3/4	500	-----	-----
11	89	11	242	11	397.90	11	501	-----	-----
11 1/4	91	11 1/4	245	11 1/4	400.84	11 1/4	501	-----	-----
11 1/2	94	11 1/2	249	11 1/2	403.77	-----	-----	-----	-----
11 3/4	97	11 3/4	252	11 3/4	406.68	-----	-----	-----	-----