



# MANHOLE CHART



## MANHOLE MEASUREMENTS

SIZE:	TYPE F	36	48	60	72	96	120
WALL	6	4	5	6	7	8	10
JOINT HEIGHT	N/A	4	4	5	5	5	6
BASE THICKNESS	6	4	6	8	8	10	18
FLAT TOP		6	8	8	8	10	12
LIFT BAR RATING	7-TON	7-TON	7-TON	7-TON	7-TON	11-TON/18-TON	18-TON

## MANHOLE WEIGHTS

SIZE:	TYPE F	3'	4'	5'	6'	8'	10'	
SLAB BASE (EXT)	675	528	1,376	2,827	4,034	8,552	23,002	
12 BASE	1,050	954	1,948	3,494	4,970	9,516		
18 BASE	1,425	1,216	2,381	4,142	5,875	10,877		
24 BASE	1,800	1,478	2,815	4,790	6,780	12,239		
30 BASE	2,175	1,739	3,249	5,438	7,685	13,600		
36 BASE	2,550	2,001	3,682	6,086	8,590	14,961		
42 BASE	2,925	2,263	4,116	6,734	9,494	16,323		
48 BASE	3,300	2,525	4,549	7,382	10,399	17,684		
54 BASE	3,675		4,983	8,030	11,304	19,045		
60 BASE	4,050		5,417	8,678	12,209	20,407		
66 BASE	4,425		5,850	9,326	13,114	21,768		
72 BASE	4,800		6,284	9,974	14,019	23,130		
82 BASE						27,157		
12 BARREL	750	524	867	1,296	1,810	2,723		4,254
18 BARREL	1,125	785	1,301	1,944	2,715	4,084		6,381
24 BARREL	1,500	1,047	1,734	2,592	3,619	5,445	8,509	
30 BARREL	1,875	1,309	2,168	3,240	4,524	6,807	10,636	
36 BARREL	2,250	1,571	2,602	3,888	5,429	8,168	12,763	
42 BARREL	2,625	1,833	3,035	4,536	6,334	9,530	14,890	
48 BARREL	3,000	2,094	3,469	5,184	7,239	10,891	17,017	
54 BARREL	3,375			5,832	8,144	12,252	19,144	
60 BARREL	3,750		6,480	9,048	13,614	21,271		
66 BARREL	4,125		7,128	9,953	14,975	23,398		
72 BARREL			7,775	10,858	16,336	25,526		
84 BARREL				9,071				
FLAT TOP 24" OPENING		642	1,672	2,772	4,087	8,712	16,615	
FLAT TOP 30" OPENING		510	1,495	2,596	3,910	8,492	16,350	
24"H Ecc. CONE W/ 24"			1,885					
24"H Ecc. CONE W/ 30"			1,920					
36"H Ecc. CONE			2,775	3,650				
48"H Ecc. CONE			3,660					
24"H CONC. CONE			1,855					
24"H HAUNCHED CONE			2,275					
36"H TRANS CONE TO 48"				3,441	3,957			

## GRADE RING MEASUREMENTS

SIZE (ID)	24" SQ	24	30
WALL THICKNESS	6	8	5

## GRADE RING WEIGHTS

3	188	201	
4	250	268	183
6	375	402	275
8	500	536	367
10	625	670	
12	750	804	550