

# Vaughn concrete products, inc.

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## THEORETICAL WEIGHT AND CAPACITY CHART FOR ROUND MANHOLES

As manufactured by Vaughn Concrete Products, Inc.

24" I.D. MANHOLE RISER WEIGHTS					
SIZE	WEIGHT (LBS.)	SIZE	WEIGHT (LBS.)	SIZE	WEIGHT (LBS.)
2"	76	4"	152	8"	305
3"	114	6"	229	12"	548

48" I.D. MANHOLE MATERIAL (5" THICK WALLS)			
DESCRIPTION	THICKNESS	DIAMETER	WEIGHT (LBS.)
EXTENDED BASE	6" (STANDARD)	70" (STANDARD)	2,020
	8"	72"	2,700
	12"	72"	4,250
TRAFFIC LID	8"	OVERALL HEIGHT	2,800
		12"	
CAPACITY : 95 GALLONS/FT.			
BARREL WEIGHT : 900 LBS./FT.			

60" I.D. MANHOLE MATERIAL (6" THICK WALLS)			
DESCRIPTION	THICKNESS	DIAMETER	WEIGHT (LBS.)
EXTENDED BASE	8" (STANDARD)	84" (STANDARD)	3,850
	12"	84"	5,800
TRAFFIC LID	8"	OVERALL HEIGHT	3,000
		13"	
CAPACITY : 148 GALLONS/FT.			
BARREL WEIGHT : 1,300 LBS./FT.			

72" I.D. MANHOLE MATERIAL (6" THICK WALLS)			
DESCRIPTION	THICKNESS	DIAMETER	WEIGHT (LBS.)
EXTENDED BASE	8" (STANDARD)	96" (STANDARD)	5,100
	12"	96"	7,600
TRAFFIC LID	8"	OVERALL HEIGHT	4,000
		14"	
CAPACITY : 212 GALLONS/FT.			
BARREL WEIGHT : 1,550 LBS./FT.			

90" I.D. MANHOLE MATERIAL (8" THICK WALLS)			
DESCRIPTION	THICKNESS	DIAMETER	WEIGHT (LBS.)
EXTENDED BASE	6"	110"	4,500
	8"	110"	6,600
	12" (STANDARD)	110"	9,900
FLAT LID FOR TRAFFIC	12"	110"	9,900
FLAT LID	8"	110"	6,650
CAPACITY : 331 GALLONS/FT.			
BARREL WEIGHT : 2,600 LBS./FT.			

96" I.D. MANHOLE MATERIAL (9" THICK WALLS)			
DESCRIPTION	THICKNESS	DIAMETER	WEIGHT (LBS.)
EXTENDED BASE	6"	118"	5,700
	8"	118"	7,600
	12" (STANDARD)	118"	11,400
FLAT LID FOR TRAFFIC	12"	118"	11,400
FLAT LID	8"	118"	7,600
CAPACITY : 375 GALLONS/FT.			
BARREL WEIGHT : 3,100 LBS./FT.			