

STOCKPILE CAPACITIES

MAXIMUM STOCKPILE CAPACITIES (MANUAL PILES) ASSUMPTIONS BASED ON MATERIAL WHICH HAS A 37° ANGLE OF REPOSE AND 100 PCF (1.6 t/m³) MATERIAL DENSITY.

Conveyor Length	Stockpile Height ft x in (m)	Stockpile Volume in Cubic Yards (m ³)				Stockpile Volume in Tons (MT)			
		Conical	90°	180°	270°	Conical	90°	180°	270°
18° INCLINE									
50'-0"	18'-6" (5.7)	430 (330)	1,700 (1,300)	2,900 (2,200)	4,200 (3,200)	580 (530)	2,300 (2,100)	4,000 (3,600)	5,600 (5,100)
60'-0"	21'-6" (6.6)	680 (520)	2,700 (2,100)	4,800 (3,700)	6,800 (5,200)	920 (840)	3,700 (3,400)	6,400 (5,800)	9,200 (8,300)
80'-0"	28'-0" (8.5)	1,500 (1,200)	6,000 (4,600)	10,500 (8,000)	15,000 (11,500)	2,000 (1,800)	8,100 (7,300)	14,200 (13,000)	20,200 (18,300)
95'-0"	32'-0" (9.8)	2,300 (1,800)	9,600 (7,300)	16,900 (12,900)	24,200 (18,500)	3,100 (2,800)	13,000 (11,800)	22,800 (20,700)	32,700 (29,700)
100'-0"	34'-0" (10.4)	2,700 (2,100)	11,100 (8,500)	19,500 (14,900)	28,600 (21,400)	3,600 (3,300)	15,000 (13,600)	26,400 (23,900)	38,000 (34,500)
110'-0"	37'-0" (11.3)	3,500 (2,700)	14,500 (11,100)	25,600 (19,600)	36,600 (28,000)	4,700 (4,300)	19,600 (17,800)	34,500 (31,300)	49,400 (44,800)
125'-0"	42'-0" (12.8)	4,900 (3,700)	20,800 (15,900)	36,700 (28,100)	52,600 (40,200)	6,700 (6,100)	28,100 (25,500)	49,600 (45,000)	71,100 (64,500)
150'-0"	49'-0" (14.9)	8,200 (6,300)	35,000 (26,800)	61,900 (47,300)	88,700 (67,800)	11,100 (10,100)	47,300 (42,900)	83,500 (75,700)	119,700 (108,600)
180'-0"	59'-0" (18.0)	13,000 (10,600)	59,200 (45,300)	104,600 (80,000)	150,000 (114,700)	18,600 (16,900)	80,000 (72,600)	141,200 (128,100)	202,500 (183,700)
200'-0"	65'-0" (19.8)	18,600 (14,200)	80,300 (61,400)	141,900 (108,800)	203,600 (155,700)	25,100 (22,800)	108,300 (98,200)	191,600 (173,800)	274,900 (249,400)
110'TSFD	39'-0" (11.9)	4,900 (3,200)	19,700 (15,000)	34,400 (26,300)	49,200 (37,600)	6,600 (6,000)	26,600 (24,100)	46,500 (42,200)	66,500 (60,300)
130'TSFD	42'-0" (12.8)	6,200 (4,700)	27,300 (20,900)	48,300 (37,000)	69,300 (53,000)	8,400 (7,600)	36,800 (33,400)	65,200 (59,100)	93,600 (84,900)
130'TSXTP	45'-6" (13.9)	6,700 (5,100)	27,700 (21,200)	48,700 (37,200)	69,700 (53,300)	9,000 (8,200)	37,400 (34,000)	65,800 (59,600)	94,200 (85,500)
136'TSFD-LP	41'-6" (12.7)	6,900 (5,300)	30,000 (23,000)	53,300 (40,800)	76,500 (58,500)	9,300 (8,400)	40,600 (36,800)	71,900 (65,200)	103,200 (93,600)
150'TSFD	50'-0" (15.2)	9,300 (7,100)	41,000 (31,300)	72,600 (55,500)	104,300 (79,800)	12,600 (11,400)	55,300 (50,200)	98,100 (89,000)	140,800 (127,700)
150'TSXTP	50'-0" (15.2)	9,200 (7,000)	40,100 (30,700)	71,000 (54,300)	102,000 (78,000)	12,400 (11,200)	54,100 (49,000)	95,900 (87,000)	137,700 (124,900)
158 TSFD-LP	47'-0" (14.3)	9,700 (7,400)	40,900 (31,300)	72,200 (55,200)	103,500 (79,100)	13,100 (11,900)	55,200 (50,100)	97,500 (88,400)	139,700 (126,800)
170'TSXTP	58'-0" (17.7)	12,900 (9,900)	56,100 (42,900)	99,300 (76,000)	142,400 (108,900)	17,500 (15,900)	75,800 (68,800)	134,000 (121,600)	192,300 (174,500)
190'TSXTP	66'-0" (20.1)	18,700 (14,300)	82,300 (63,000)	145,800 (111,500)	209,300 (160,000)	25,300 (23,000)	111,100 (100,800)	196,800 (178,500)	282,600 (256,400)
72'x190'TSPP	61'-0" (18.6)	16,700 (12,800)	75,700 (57,900)	134,800 (103,000)	193,800 (148,200)	22,500 (20,400)	102,200 (92,700)	181,600 (164,700)	261,600 (237,300)
22° INCLINE									
80'-0"	33'-0" (10.1)	2,500 (1,900)	8,600 (6,600)	14,900 (11,400)	21,100 (16,100)	3,300 (3,000)	11,700 (10,600)	20,100 (18,200)	28,500 (25,900)
100'-0"	40'-0" (12.2)	4,500 (3,500)	16,300 (12,500)	28,000 (21,400)	39,700 (30,400)	6,100 (5,500)	21,900 (20,000)	37,700 (34,200)	53,600 (48,600)
125'-0"	50'-0" (15.2)	8,500 (6,500)	31,000 (23,700)	52,900 (40,500)	75,000 (57,400)	11,400 (10,300)	41,400 (37,600)	71,400 (64,800)	101,400 (92,000)