

Bolted and Welded Silos



Let Advanced Bulk and Conveying, Inc., help with all your material handling and storage needs. We supply top quality smooth-wall bolted and welded storage silos designed and engineered specifically to suit the application. A range of sizes and factory coatings are available to tackle most industrial applications. When storing bulk solids, interior coatings are selected to protect against corrosion and abrasion. Exterior coatings are selected to provide protection against the effects of weather and tough environments. Silos can be designed to accommodate most loading and unloading systems, material flow characteristics and product weight. The engineering of each silo is guaranteed after careful consideration is given to seismic zone requirements, snow and wind loading.

Available Accessories Include:

- Filter Flanges for Deck Mounted Bin Vent Filters
- 2 ft. x 5 ft. Doors in Skirted Silos with Larger Openings Available
- OSHA Approved Ladders, Guardrails and Cross-Overs
- Material of Tank Construction - Carbon Steel, Stainless Steel, Aluminum
- Selection of Manways and Relief Valves
- Standard Hopper Angles of 45, 60 and 70 Degrees
- Special Hoppers and Discharge Flanges Can be Provided
- Level Indicator Openings

BOLTED SILOS



WELDED SILOS



BOLTED SILOS

Standard Silo Sizes 1:12 Bolted Deck

Nominal Size (in feet)		Capacity - Level Full (in cubic feet)	
Silo Diameter	Eave Height	Silo with 45° Hopper	Silo with 60° Hopper
9	24	1,275	1,145
	32	1,810	1,680
	40	2,350	2,215
	48	2,890	2,745
	56	3,425	3,280
	64	3,965	3,815
	72	4,505	4,350
	80	5,040	4,885
	88	5,580	5,420
96	6,115	5,995	
12	24	2,145	1,830
	32	3,105	2,780
	40	4,060	3,735
	48	5,020	4,690
	56	5,975	5,650
	64	6,935	6,610
	72	7,890	7,565
	80	8,855	8,525
	88	9,815	9,485
96	10,776	10,440	
15	24	3,160	2,640
	32	4,655	4,130
	40	6,150	5,825
	48	7,645	7,125
	56	9,140	8,620
	64	10,634	10,110
	72	12,140	11,605
	80	13,640	13,100
	88	15,145	14,590
96	16,645	16,085	
18	24	4,275	3,300
	32	6,425	5,450
	40	8,580	7,605
	48	10,730	9,755
	56	12,880	11,910
	64	15,045	14,050
	72	17,210	16,195
	80	19,370	18,340
	88	21,535	20,485
96	23,695	22,630	
21	24	5,445	3,795
	32	8,375	6,715
	40	11,325	9,680
	48	14,235	12,545
	56	17,185	15,460
	64	20,130	18,375
	72	23,080	21,295
	80	26,020	24,210
	88	28,970	27,125
96	31,915	30,040	
28	32	11,525	8,315
	40	15,845	12,635
	48	20,165	18,950
	56	24,510	21,270
	64	28,855	25,590
	72	33,195	29,905
	80	37,540	34,225
	88	41,885	37,545
	96	46,225	42,860
29	32	14,465	9,670
	40	20,055	15,260
	48	25,640	20,845
	56	31,230	26,435
	64	36,815	32,020
	72	42,400	37,610
	80	47,990	43,195
	88	53,575	46,785
	96	59,165	54,370

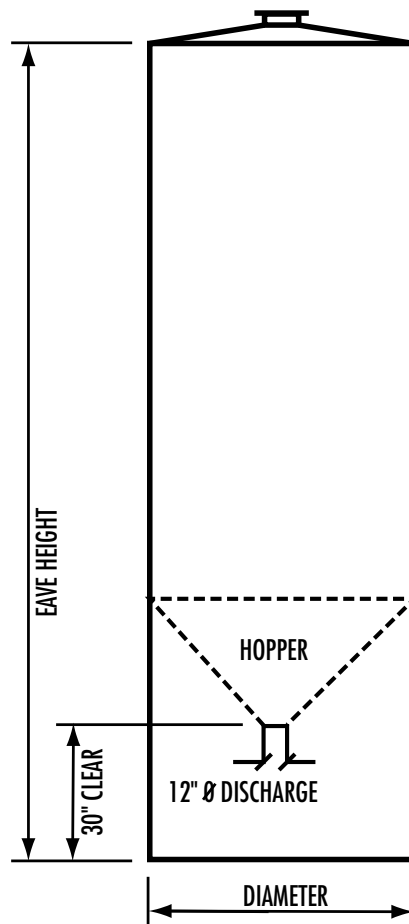
WELDED SILOS

Standard Silo Sizes 10" Deck

Nominal Size (in feet)		Capacity - Level Full (in cubic feet)	
Silo Diameter	Eave Height	Silo with 45° Hopper	Silo with 60° Hopper
8	18	530	575
	24	830	875
	30	1,125	1,170
	36	1,425	1,470
	42	1,720	1,765
	48	2,020	2,065
	54	2,315	2,360
	60	2,615	2,660
	66	2,910	2,955
	72	3,205	3,255
	9	18	685
24		1,060	1,070
30		1,435	1,445
36		1,815	1,825
42		2,190	2,200
48		2,565	2,575
54		2,940	2,955
60		3,320	3,330
66		3,695	3,705
72		4,070	4,080
10		18	855
	24	1,320	1,275
	30	1,785	1,740
	36	2,250	2,205
	42	2,715	2,670
	48	3,180	3,135
	54	3,645	3,600
	60	4,110	4,065
	66	4,575	4,530
	72	5,040	4,995
	11	18	1,055
24		1,615	1,490
30		2,180	2,050
36		2,740	2,615
42		3,300	3,175
48		3,865	3,740
54		4,425	4,300
60		4,990	4,865
66		5,550	5,425
72		6,115	5,990
12		18	1,330
	24	2,000	1,705
	30	2,665	2,375
	36	3,335	3,045
	42	4,005	3,715
	48	4,675	4,385
	54	5,345	5,055
	60	6,015	5,725
	66	6,680	6,390
	72	7,350	7,060
	13	18	1,515
24		2,300	1,930
30		3,085	2,715
36		3,870	3,500
42		4,655	4,285
48		5,440	5,070
54		6,225	5,855
60		7,015	6,640
66		7,800	7,425
72		8,585	8,210
14		18	1,705
	24	2,615	2,145
	30	3,530	3,060
	36	4,440	3,970
	42	5,350	4,880
	48	6,260	5,790
	54	7,170	6,700
	60	8,080	7,610
	66	8,990	8,525
	72	9,900	9,435



Silo Capacities



NOTE:

Many other standard silo designs can be offered including legged silos, spread legged silos for truck load-out, silos with lug type clips for mounting on structural steel as well as custom designed silos.