

BULK STORAGE SERIES

WELDED SILOS OFFER EASE OF INSTALLATION

Welded Silos are designed for delivery to the construction site as a one piece unit which is unloaded from a specially designed trailer. Lift lugs are provided to facilitate quick installation by crane on previously constructed reinforced concrete pads. Contract installation is available for bulk storage silos through Sterling's Contract Department.

Welded storage silos, used in conjunction with Sterling pneumatic conveying systems, are designed to meet Uniform Building Code or ANSI requirements for seismic design. Construction is to the highest quality standards and includes: Submerged arc welding of carbon steel cylinders for 100% penetration with no slag or porosity; Automatic power brushing of exterior circumferential welds to white metal finish for inspection and coating; Sand blasted interiors with high tooth profile for superior paint-to-metal bonding using high grade coatings; Stainless steel and aluminum silos are also available.



Welded Silos

Features

- Skirted design constructed of carbon steel
- Hinged 3'6" x 6'8" louvered access door
- 20" diameter center dome with cover
- 12" diameter bottom discharge opening with 30" clearance and 16" square mounting flange
- Standard epoxy interior finish with enamel exterior finish
- Anchor bolts as required

Options

- Standard epoxy interior finish with enamel exterior finish
- Deck perimeter guardrail with toe-board
- Ladder, platform and cage to OSHA guidelines
- Crossover walkways
- Manhole/vent
- Explosion relief deck
- Air pad holes
- Sight glass
- Silo inventory measuring head opening



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SPECIFICATIONS

WELDED SILOS WITH 45° CONE											
Silo Diameter	Silo. Ht. (To Eave)	Usable Cap. Cu. Ft.* 45° Hopper	Silo Weight**	Silo Diameter	Silo. Ht. (To Eave)	Usable Cap. Cu. Ft.* 45° Hopper	Silo Weight**	Silo Diameter	Silo. Ht. (To Eave)	Usable Cap. Cu. Ft.* 45° Hopper	Silo Weight**
10'	18'	799	4,637	12'	24'	1,823	7,183	13'++	24'	2,082	10,628
	24'	1,273	5,703		30'	2,501	8,466		30'	2,880	12,518
	30'	1,747	6,769		36'	3,179	10,671		36'	3,678	14,408
	36'	2,221	8,601		42'	3,857	11,954		42'	4,476	16,298
	42'	2,695	9,667		48'	4,535	13,698		48'	5,274	18,188
	48'	3,169	11,116		54'	5,213	15,451		54'	6,072	20,078
	54'	3,643	12,565		60'	5,801	17,186		60'	6,870	21,968
	60'	4,417	14,014		66'	6,569	18,930		66'	7,668	23,858
				72'	7,247	20,674	72'	8,466	25,748		

WELDED SILOS WITH 60° CONE											
Silo Diameter	Silo. Ht. (To Eave)	Usable Cap. Cu. Ft.* 45° Hopper	Silo Weight**	Silo Diameter	Silo. Ht. (To Eave)	Usable Cap. Cu. Ft.* 45° Hopper	Silo Weight**	Silo Diameter	Silo. Ht. (To Eave)	Usable Cap. Cu. Ft.* 45° Hopper	Silo Weight**
10'	18'	714	4,900	12'	24'	1,537	7,559	13'++	24'	1,693	11,229
	24'	1,188	5,966		30'	2,215	8,842		30'	2,491	13,119
	30'	1,662	7,032		36'	2,893	11,047		36'	3,289	15,009
	36'	2,136	8,864		42'	3,571	12,330		42'	4,087	16,899
	42'	2,610	9,930		48'	4,249	14,074		48'	4,885	18,789
	48'	3,084	11,379		54'	4,927	15,818		54'	5,683	20,769
	54'	3,558	12,828		60'	5,605	17,562		60'	6,481	22,569
	60'	4,032	14,277		66'	6,283	19,306		66'	7,279	24,459
		4,032	14,277		72'	6,961	21,050		72'	8,077	26,349

*Based on 25° angle of repose

++ 13' diameter silos cannot be shipped to all locations

**Silo weights do not include accessories

