

BULK STORAGE SERIES

MINIMIZE WASTE, CONTAMINATION AND FREE UP VALUABLE FLOOR SPACE

Sterling Silos provide an efficient method of storing bulk quantities of material including plastics, powders, and a variety of dry materials for process. Not only does bulk storage insure that the materials needed to keep an operation running are always there, it also provides a way to buy raw material at less cost. Minimizing waste, contamination, and freeing up valuable floor space are additional advantages of the Sterling bulk storage system.

Sterling Silos are constructed from an FDA approved galvanized metal which provides a maintenance free surface. The silos are sealed with FDA approved cross linked polyethylene foam sealant to prevent water infiltration. Various capacities, methods of fill and discharge are available. Accessories and safety equipment to OSHA specifications, are available to meet customer needs.



Features

- FDA Approved Galvanized Coating, Interior and Exterior
- 22" Top Access Hatch
- FDA, HDPE, Foam Seal, Double Row
- Perimeter Railing and Toe Plate (10° Roof Silos)
- Manguard Assy, 8' Dia. Expanded Metal Level Platform (30° Roof Silos)
- All Accessories are Galvanized or Aluminum
- Bolted Construction
- Corrugated Sidewalls, Smooth Wall Hopper Section and Roof Section
- Seismic zone 2A per UBC1997
- 120 MPH Wind, Exposure C, I=1.0 per ACSE 7-98

NOTE: Verify local standards and code requirements, i.e. IBC Standard, P.E. Stamp, etc.

Options

- Vacuum discharge packages
- Air filter kits
- Gravity discharge chutes
- Level indication
- Silo skirting packages with walk-in door
- Air fill kits
- Crosswalks
- Ladder and cage assemblies
- Roof ladders and safety railings (30° roof silos)
- Manguards (30° roof silos)



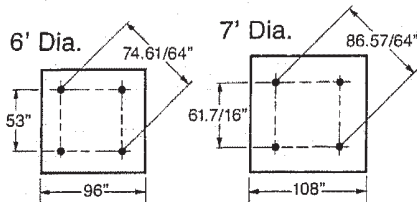
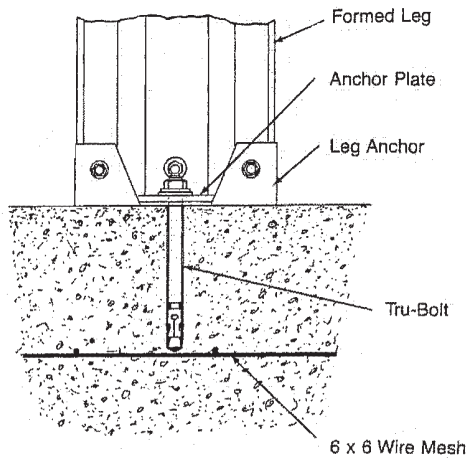
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SPECIFICATIONS

Type	Diameter, ft.	Cap. water, cu. ft.	Cap. usable, cu. ft.	Cap., lbs. (@ 35 lbs./cu. ft.)	Silo top	Railing top	Hopper cone
10°	9, 12, 15 or 18	455-6205	375-5628	13,125-196,980	12'7"-35'	15'6"-37'1"	45° or 60°
30°	6, 7, 9, 12, 15 or 18	-	137-6505	4795-227,675	10'8"-37'6"	14'2"-41'	45° or 60°

ANCHOR BOLT DETAIL

Every Sterling bolted, corrugated silo that we install is mounted to the concrete pad foundation by the Tru-Bolt anchoring system. This eliminates the need for setting bolts in wet concrete before the silo is erected. The Tru-Bolt anchor allows you to erect the silo, position it, and then drill the anchor holes and secure the anchors. With this method, the anchors are always properly located. The Tru-Bolt anchor has a 7800 lb. pull-out strength, exceeding the strength of an ordinary mounting bolt.



FOUNDATION SPECIFICATIONS

Foundations must be appropriately designed for local soil and frost depth conditions. Sizes given are adequate to resist 1.5 times the over-turn force of a 30 psf wind load acting on .6 times the surface area of the silo. The foundation should be placed on soil with a bearing capacity of 3500 psf, or special modification of the foundation must be considered.

Concrete in the footings should have a minimum compression strength of 3,000 psi at 28 days. Reinforcing steel should have a minimum yield strength of 33,000 psi.

