

Spiral Steel Grain Silo

The spiral steel grain silo provides a robust and efficient solution for storing grains and bulk materials. Constructed from high-quality steel, its spiral design ensures structural integrity and long-term durability.



ADDITIONAL IMAGES



Overview

Advanced Spiral Steel Silo Construction

This spiral steel grain silo system utilizes a specialized forming and suturing process to create robust, airtight circular metallic containers on-site. Designed for high-strength durability, the system produces silos with diameters ranging from 4m to 50m, suitable for a wide variety of granular, powder, and liquid materials. The spiral construction method ensures superior structural integrity and long-term protection against environmental factors and pests.

Technical Specifications

Model Number	BH-SM
HS Code	8455229090
Production Capacity	20 Sets/Year

Construction Capabilities



The forming unit utilizes concentric rings and a mobile frame to shape galvanized steel sheets into a spiral pattern.



Precision rollers and pneumatic systems guide the steel strip through the 5-procedure forming process.

Steel Strip Specifications

495 mm

Strip Width

2 mm

Min Thickness

4 mm

Max Thickness

Silo Diameter Range

4m - 50m

Application Scope



Finished large-scale silo showing the spiral seam construction and integrated maintenance access ladders.



High-strength steel construction provides reliable storage for agricultural and industrial applications.

Target Industries

- Grain and Feed Brewing
- Oil and Food Processing
- Medicine and Chemical
- Cement Production
- Water Treatment

Compatible Materials

Wheat, Soybean, Maize, Sorghum, Wheat Flour, Bulk Cement, Fly-ash, Sewage, Water, Chemical Syrup

System Features



Heavy-duty mobile support frame featuring a central rotating mechanism for even weight distribution during silo construction.



Specialized equipment designed for efficient on-site fabrication of large-capacity storage silos.



Silos can be equipped with mechanical loading and unloading systems to streamline bulk material handling.

Key Advantages

- High-strength alloy steel construction for long operating life
- Integrated 5-procedure forming and suturing process
- On-site fabrication reduces installation time and cost
- Airtight spiral seams protect against moisture and spoilage
- Smooth internal surfaces minimize material buildup

Safety & Maintenance

Access Ladders, Maintenance Ports, Weatherproof Coating, Corrosion Resistant