

GRAIN SILOS



Grain Silos

Galvanised steel silos can offer cost effective grain storage while providing optimum storage conditions.



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Grain silos are all designed, detailed, programmed and manufactured based upon loads and pressures derived from either the German DIN 1055 1987 or Eurocode 1 part 4 with structural calculations based on BS 5950 part 5 or Eurocode 3.

Hopper Bottom Silos

Standard ranges from 3m diameter; 15 tonnes storage to 10m diameter; 1,700 tonnes. All hoppers are designed for high cyclic loading, i.e. high usage of product in and out and at high tonnage rates. The 45 and 60 degree hoppers are standard (other hopper angles upon request). Silo roof panels, wall sheets and stiffening struts (up to 3mm thick) are sheared and formed from pre-galvanised steel sheets, with a minimum of G600 galvanising. Stiffening struts (thicker than 3mm) are sheared and formed from black steel and hot-dip galvanised to finish after manufacture, as too is the supporting entablature steelwork.

GENERAL PARAMETERS

- **Capacity:** up to 2,165m³
- **Diameter:** up to 10m
- **Overall height:** up to 33.81m
- **Snow load:** 0.75 kN/m² to suit customer requirements
- **Wind load:** 50m/sec
- **Cylinder height:** up to 24.88m



Flat Bottom Silos

Standard ranges from 3m diameter 15 tonnes, to 32m diameter; 13,725 tonnes of wheat. All silos are designed for high cyclic loading, i.e. high usage of product in and out and at high tonnage rates. Silo roof panels, wall sheets and stiffening struts (up to 3mm thick) are sheared and formed from pre-galvanised steel sheet, with a minimum of G600 galvanising. Stiffening struts (thicker than 3mm) are sheared and formed from black steel and finished hot-dip galvanised after manufacture.

GENERAL PARAMETERS

- **Usable capacity:** up to 17,484m³
- **Diameter:** from 3m to 32m
- **Cylinder height:** up to 28.44m
- **Snow load:** 0.75 kN/m² to suit customer requirements
- **Wind load:** 50 m/sec

