

SQUARE SILOS

GENERAL

Brand Cimbria
Designation Storage
Model Square silos

The silo range consists of large or small, square, round or trapezoidal silo solutions for smooth surfaces, etc.

Cimbria square silos are complete steel constructions which can be delivered in several combinations with centre outlet or side outlet according to requirements.

Square silos are delivered complete with anchor bolts, supporting construction, hoppers, walls, decks, roof construction, machine decks, ladders, etc. for outdoor and indoor installation.

At outdoor installation the silo should be covered with e.g. ordinary trapezoidal steel plates put onto Z purlins or sandwich parts with insulation material.

Cimbria silos can be divided into three types:

- Raw material silos
- Delivery bins
- Dosing silos

Standard components:

- Anchor bolts
- Supporting constructions
- Hoppers
- Wall types
- Decks
- Roof constructions
- Ladders
- Machine towers

The standard silo wall elements are manufactured in widths up to 4 m with leaps of 0.25 m. These wall elements can be built together constituting many different silo sizes.

Two different types of wall elements are manufactured:

- Smooth wall - type 120 and 160 with smooth surface on both sides.
- Profile wall - type 120/50° and 160/50°.
- Type 120 has a wall thickness of 120 mm and a section height of 498/996 mm.
- Type 160 has a wall thickness of 160 mm and a section height of 620/1240 mm.

The wall columns are manufactured from four heavy-duty steel profiles that are an integrated part of the silo wall. When installing the silo walls an octagonal silo column will be formed, and this column is to be assembled with a vertical busbar internally in the wall column.

The wall column type 120 has an external dimension of 220 x 220 mm and type 160 has an external dimension of 260 x 260 mm.

