

HOPPER

COMPONENTS



FILE 2.3  
VERSION 1  
24/10/2019

## TECHNICAL SPECIFICATIONS

Composed of hoppersheet (A) joined between them, to the cylinder (B) and to the hopper cone(C).

The union cylinder – hopper change according to the silo model:

1. Silos without compression ring (SC)

• Through clips (D)

2. Silos with compression ring (SCE)

• Through the compression ring (E)

Hopper also change according its slope:

1. Silos T45

• Hoppersheet joined by bolts

2. Silos T60

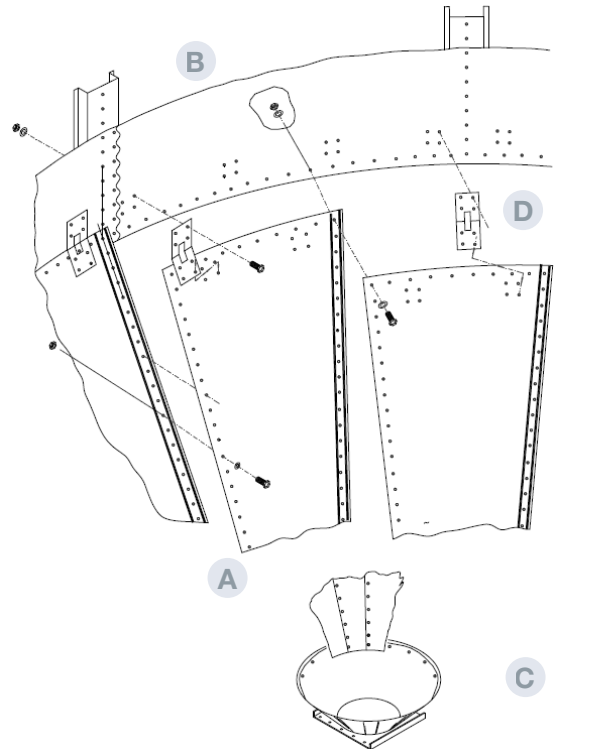
• Hoppersheet joined by bolts and reinforced by hopper stiffeners (F)

The hopper cone is screwed to the hoppersheets. On a standard way:

1. Silos T45: Ø 400 mm

2. Silos T60: Ø 400 mm or 1250 mm

Aeration systems or level detectors are connected to the hopper.



## PARTS AND MATERIALS

### A HOPPER SHEET

- Trapezoidal plate whose thickness and dimensions depend on the calculation and the silo diameter
- MATERIAL: Galvanised steel S350 GD Z600 MAC

### B CYLINDER

### C HOPPER CONE

- Discharge gate connected to the lowest part of the hoppersheets
- Defines the diameter of discharge
- It hasn't a closure system
- MATERIAL: Galvanised steel S275 JR e= 3mm + HDG

### D CLIPS

- Folded plate to make the connection cylinder – hopper on silos without compression ring (SC)
- MATERIAL: Galvanised steel S280 GD Z600 MAC

### E COMPRESSION RING

- Welded structure whose main part is an UPN profile to the union body – hopper – silo legs
- MATERIAL: Galvanised steel S275 JR + HDG

### F HOPPER REINFORCEMENT

- “L” profiles of cold rolled steel
- MATERIAL: Galvanised steel S350 GD Z600 MAC e=3mm

