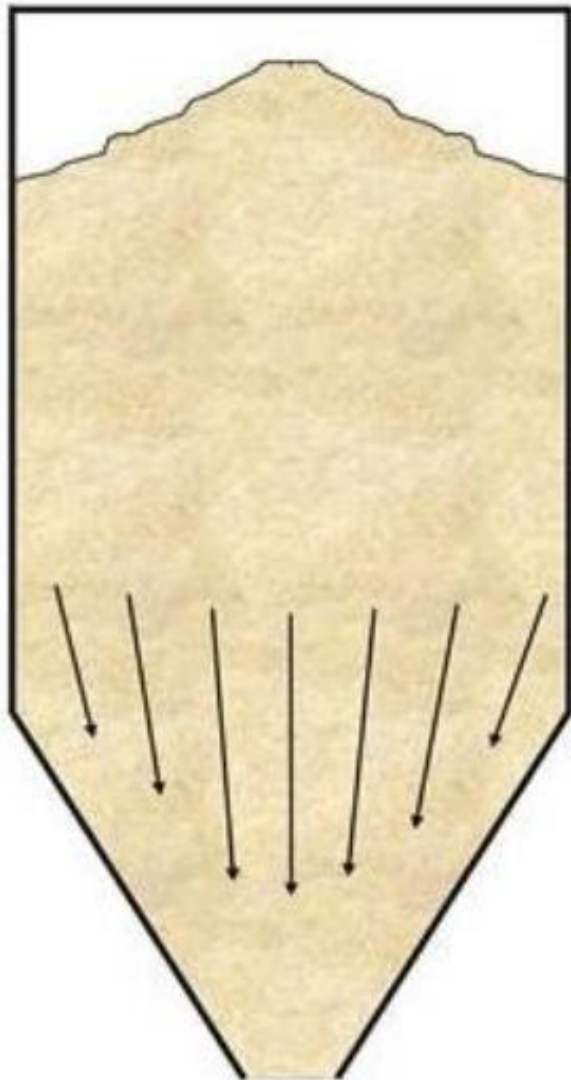


MASS  
DISCHARGE  
SILOS

CYLINDER



FILE 1.6  
VERSION 1  
COD.  
11/05/2020



## TECHNICAL SPECIFICATIONS

### DEFINITION:

It is a type of discharge of the material within the silo.

All grain in the silo is in motion. There are no dead zones (or they are minimized).

This movement of all the product at the same time causes great stresses on the walls of the silo that we calculate with the EUROCODE standard.

### LABEL:

All stored grain moves at the same time.

### TECNOLOGICAL EFFECTS:

- First grain to enter - first to exit. FIFO
- Danger of greater abrasion on the hopper wall.

### STATICS:

Hopper silo: Tension peaks in the hopper and greater efforts on the cylinder.

Flat Bottom silo: extractor exerts forces against silo wall.

### SILO DESIGN:

Mass discharge occurs because the product does not flow freely. For it to flow there are several methods, usually it is to put a 60° hopper and another to put an extraction system.

### RECOMMENDED FOUNDATION Ponywall

