

Aeration system. Gutter SBH. Hopper. Accessories. Aeration system

AERATION GUTTER SYSTEM SBH

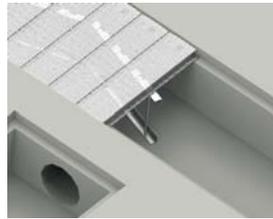
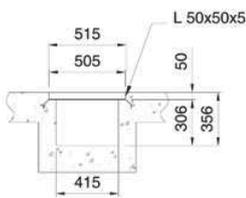
ACCESSORIES AERATION SYSTEM

COD. ASBH**AY, ASBH1070A, ASBH****H, ASBH****AH, ASBH3208H315, ASBH0A, ASBH****AC, ASBH****AT, ASBH****AY10, ASBH****10, ASBH****AH10, ASBH3208AH310, ASBH****AC10, ASCE****AT10**

TECHNICAL SPECIFICATIONS

Group of channels and structures located at the silo bottom for its aeration from the bottom to the roof. Channels are covered by the floor planks (1) drilled with Ø1.5mm holes (R3T1.5) and Ø1mm holes (R2T1). The 1mm floor planks cannot be installed in silo with bottom pressures bigger than 8 Tn/ m2. The 1,5mm ones are capable of withstanding bigger pressures (12 Tn/ m2). The drilling percentage is 23%.

Y, H, C. STANDARD AERATION



TYPES

A TYPE Y

- Made by a group of Y channels for 1 fan connection only.
- Channels width is 505mm.
- Silo 4,60-12,23 m. 9% of the aeration surface on the total bottom silo surface.

B TIPOS YG

- Models reinforced with structural tube for higher loads.
- Silo 9,93-12,23 m.

C TYPE H

- Made by a group of H channels for either 2 or 4 fan connection.
- Channels width is 505mm.
- Silo 10,70-17,57 m. 12% of the aeration surface on the total bottom silo surface.

D TIPOS HG

- Models reinforced with structural tube for higher loads..
- Silo 1070-1757 m.

G TYPE HA (HIGH PERFORMANCE AERATION SYSTEM)

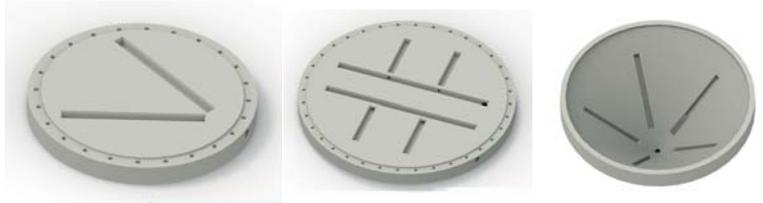
- Made by a group of H channels for either 2 or 4 fan connection.
- Channels width is 705 mm.
- Floor planks are supported on "V" supports.
- La superficie de ventilación es del 18% sobre el total de la superficie del fondo del silo
- Silo 14,51-32m.18%12% of the aeration surface on the total bottom silo surface.

H TYPE HAG (HIGH PERFORMANCE

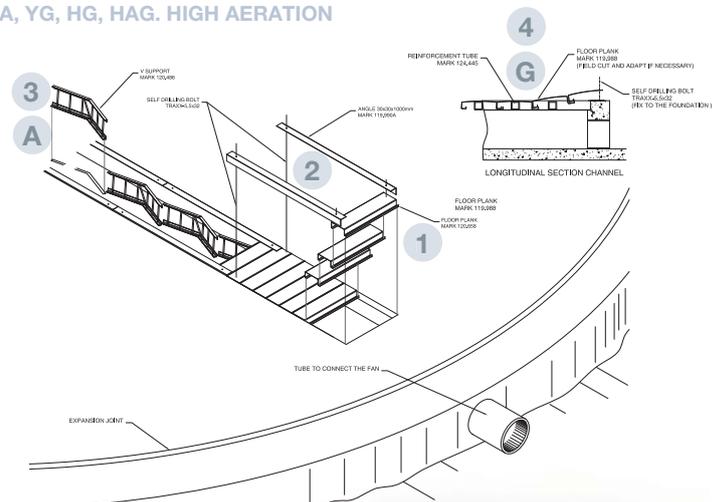
- Reinforced with "v" supports and structural tube, with a surface area of approx. 34.11 m2 (approx 18.7%)
- Silo 15,28-32 m.

I TYPE C

- For conical bottom silos.
- Made by channels with same dimensions as Y and H
- Not usable with silos with a diameter of 3-3.5 m and greater than 14.51 m. Except on request.



HA, YG, HG, HAG. HIGH AERATION



CARGAS LIMITE PARA LOS DISTINTOS SISTEMAS

TIPO	H	Ø/e	Tn/m2
H	500	1,5	12
HA	700	1,5	12
HAG	700R	1,5	20
H	500	1,0	8
HG	500R	1,0	9
HA	700	1,0	8
HAG	700R	1,0	15



PARTS AND MATERIALS

1 FLOOR PLANKS

- Folded sheet structures with 1mm or 1,5mm perforations. L= 500 mm (standard aeration) L= 700 mm (high aeration)
- MATERIAL: Galvanized steel S280 GD Z 275 MACO

2 ANGLES

- Folded steel sheet profiles t= 1.5 mm
- Dimensions: 30x30x1000 mm
- MATERIAL: Galvanized steel S280 GD Z600 MAC

3 "V" SUPPORTS

- Structure made of angular and rounded profiles for floor planks supporting.
- MATERIAL: Galvanized steel S275 JR

4 STRUCTURAL TUBE

- Galvanized 40x2 structural tube

CHANNELS FOR VENTILATION FORMWORK SBH

ACCESSORIES AERATION SYSTEMS



FILE 5.55
VERSION 1. 11/03/2026

COD. ASBHC****A*

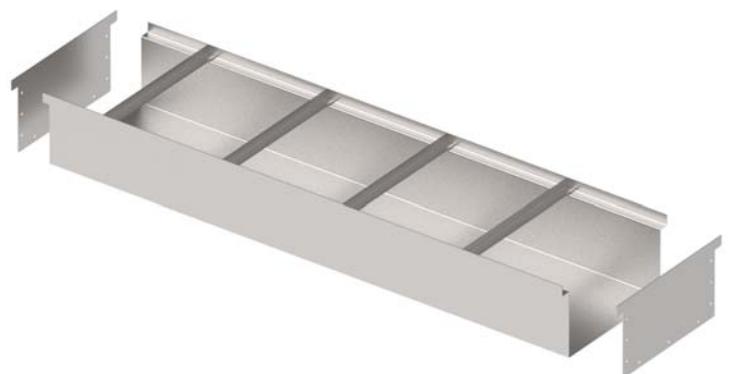
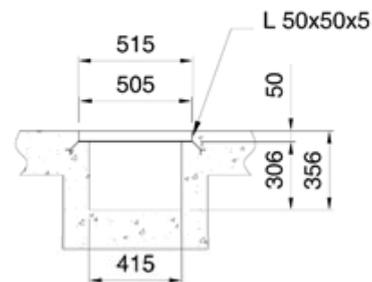


TECHNICAL SPECIFICATIONS

Metal plates designed for the construction of the formwork required for the installation of the aeration system in flat-bottom silos. The dimensions of these plates are: length 3 m and two widths available: 500 and 700 mm.

These plates are placed during the execution of the concrete slab, defining the geometry and space required for the aeration channels and their connection to the ventilation system. It is essential that they are supplied in advance of the silo itself, as they must be available on site before the base is concreted, ensuring the correct integration of the aeration system.

Available for Y, C, H and HA type aeration systems.



PARTS & MATERIALS

1 DRAWERS

- Galvanised sheet metal S280 GD, thickness e=3mm

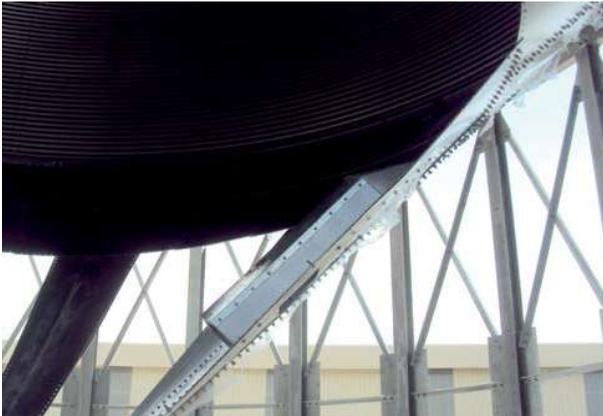
HOPPER AERATION SYSTEMS SC

ACCESSORIES AERATION SYSTEM



FILE 5.34
VERSION 4. 11/03/2026

COD. ASCE0300AT10



TECHNICAL SPECIFICATIONS

Set of 1, 2 or 4 channels with Ø1mm or Ø1.5mm perforations, installed inside the hopper to allow air distribution. The length of the channel will be 1070 mm. The rectangular outlet to the fan will measure 280 mm high by 250 mm wide.

The aeration channels are mounted on the inside of the silo hopper, while the fans are mounted on the outside. If a fan is supplied, hopper sections adapted to the fan connection are supplied for assembly. The fan will be connected to the silo via the transition.

It must be secured to the hopper section with a cable. If (due to project requirements) a power rating greater than 5.5 HP is required, the fan must be placed on the ground.

PARTS AND MATERIALS

- 1 FAN
 - Big power centrifugal fans with powers between 2 and 15 C.V.
 - Supplied by Sodeca.
- 2 FAN OUTLET
 - Admission air conduit with sloped shape that avoids air coming into the system.
- 3 TRANSITION
 - 4-5mm width steel sheet structures for the fan-aeration channel connection.
 - This accessory is not included by default.
 - MATERIAL: Galvanized Steel sheet S275 JR + HD6
- 4 HOPPER SECTOR FOR AERATION
 - Hopper silo adapted to allow the fan connection.
- 5 AERATION CHANNEL
 - Structure designed to make the air access to the silo easier.
 - Parts: Rigid cover avoiding the grain penetration in the channel and 2 perforated sheets at both sides avoiding air flowing inside the silo.
 - MATERIAL: Chapa de acero galvanizado S280 GD Z600 MAC e= 3mm
- 6 CABLE
 - Not supplied by Symaga (RECOMMENDED)





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