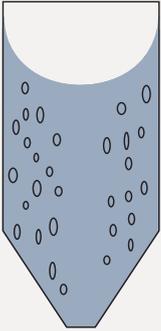


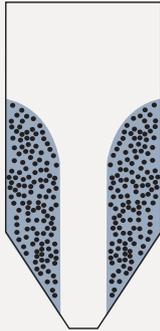
Anti-bridging Devices

What Are Your Flowing Issues?

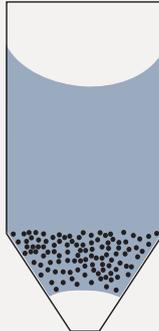
➤ Segregation



➤ Rat hole



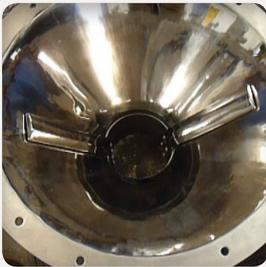
➤ Bridging



➤ Retention



▶ 2 PRINCIPLES WITH CONICAL DEVICE



➤ With rotating blades



➤ With conical screw



▶ CONICAL SCREW



In order to carry out an extraction of moist and very clogging powders from a cylindrical and conical storage silo, PALAMATIC PROCESS offers a mechanical fluidising system with conical screw.

The blade, positioned at the top of the blender ensures the breaking of the sloping and optimizes the useful volume of the hopper.

Also, the screw prevents the bulk material from caking and promotes their emptying.

The main advantage of this anti-bridging device is the implementation of the drive motor at the top of the hopper, which protects the central shaft passage from the powders.

The conception and the design of the screw are defined according to the treated powders. The rotational speeds are slow and are less than 1 meter per second at the periphery.

This equipment is compatible with "Clean In Place" systems and ATEX certifications.

➤ **Advantage:** to boost the flow of powders and the feeding of the extraction screw.



Conical Bottom



AVAILABLE
CUSTOM
MADE

Anti-bridging
Device

▶ ROTATING BLADES

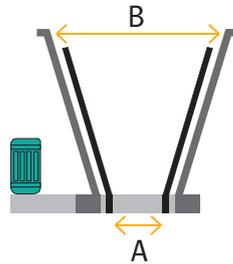
The anti-bridging devices with rotating blades on conical bottom are specially designed to be clamped on hoppers containing poor flowing powders.

The standard cone angle is 60°. It goes with two scraping rotating blades.

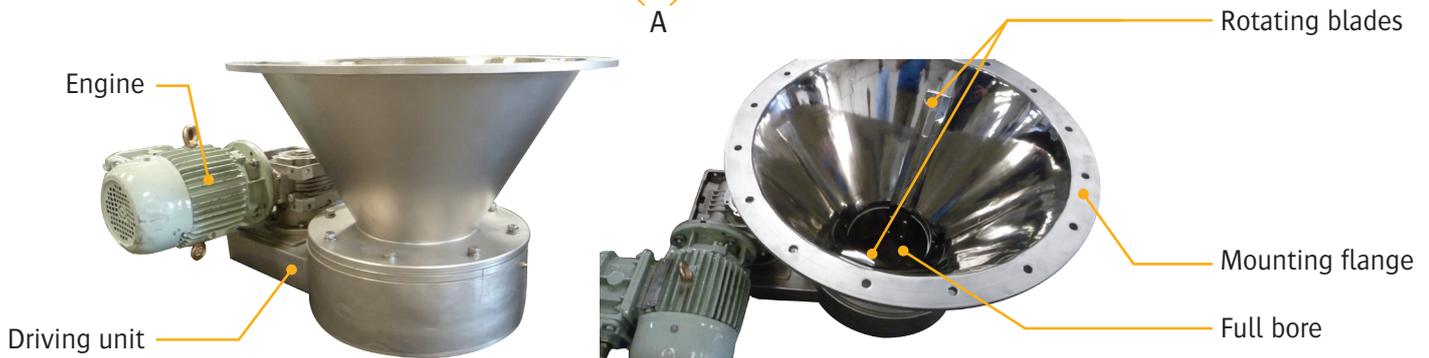
Its hollow shaft conception with offset geared motor provides full bore of the product at the outlet flange.

This design makes possible the implementation of standard maintenance slide or butterfly valve.

Models	Ø A	Ø B	Power in kW*
DEVCY 200	200	600	2.2
DEVCY 250	250	600	2.2
DEVCY 300	300	800	3.3



▶ **Advantages:** full bore of the outlet flange.



▶ ANTI-BRIDGING DEVICE WITH ROTATING BLADES DIMENSIONS

