

ALFRA Dosing Slide

The ALFRA Dosing Slide is the industry benchmark for accurate dosing of powders and granulates. Fitted to ALFRA dosing and weighing equipment, it is available in a wide range of sizes, geometry and materials to suit numerous industrial applications.



ALFRA Dosing Slides are used for dosing powders and granulates with a wide range of material flowability. The design allows for high throughput with shorter batch times yet still delivers highly accurate doses. They are easily adapted to various manufacturing environments by size, geometry and construction materials. The Dosing Slide also offers funnel height savings due to its large discharge surface (up to 1,6m²).

Few moving parts

Thanks to having very few moving parts, an ALFRA Dosing Slide is a very gentle way of product dosing. This also reduces wear and maintenance. The Dosing Slide consists of a lower fixed grid mounted beneath and upper grid which moves horizontally back and forth during the dosing operation. The Dosing Slides are mounted on a plateau and controlled by a hydraulic actuator and a moving frame around the slides. Sensors ensure that the correct slide is selected and also measure the Dosing Slide opening and stroke length. The hydraulic drive system is reliable and durable, and available with food grade hydraulic oil.

Improved product consistency and quality

The Dosing Slide eliminates pellet damage for outloading of finished product. There are no dead regions of flow in the silo, and improved segregation of raw material batches, enabling a better FIFO material flow. You also benefit from more predictable storage time of batches.

Why choose the ALFRA Dosing Slide?

- Fast and very accurate dosing over a wide range of material flowability
- Reduced risk of bridging in silos
- Very low maintenance
- Long operational life (> 20 years)

Specifications

Size range	400 cm ² to 1.6 m ²
Dosing capacity	From a few grams to 600 t/h

Applications

Food and feed	Compound feed, PremixMineral, pet food, fish food, milk replacers, food ingredients, baby milk powder
Industrial	Building materials, rubber, industrial components, plastics, chemicals
Special products	(Grass) seeds, washing powder, grinding discs, gypsum, plaster, rice, grain, maize and soya

See also:

Datasheet ALFRA	FCD Flexible Component Dosing System
Datasheet ALFRA	MCD/KCD Micro/Small Component Dosing System
Datasheet ALFRA	GCD Medium Component Dosing System
Datasheet ALFRA	BUV Bulk Outloading System
Datasheet ALFRA	LBW Oblong Weigher

ALFRA is a product of KSE Process Technology. May 2011. As a result of constant improvement, drawings and specifications are subject to change.