

# Bucket Elevators



A bucket elevator is designed for the handling and extracting of granular and powdery products over a vertical linear trajectory.

Our wide range of standard elevators allows capacities up to 1600 m<sup>3</sup>/h.

For applications not included in this range, our Design Offices are qualified to develop specific elevators meeting any requirements.

## Features

- Protection of the head ejection area against abrasion
- Adjustable and flexible outlet skirt
- Dismountable sheath
- Any type of buckets and belts or chain
- Possible slow speed for fragile products



# Bucket Elevators

## Options and security

### Options

- Optimized discharging foot
- Suction intake or built-in dedusting filters
- Gradual progress for maintenance
- Feet above ground for easy maintenance
- Refeeding inlet

### Safety devices

- ATEX compliance 94/9/CE on demand
- Belt misalignment control
- Rotation control
- Clogging detection
- Product flow detection

## Solutions for limited explosion risks



Explosion vent  
at elevator head

STOLZ solutions to limit explosion risks:

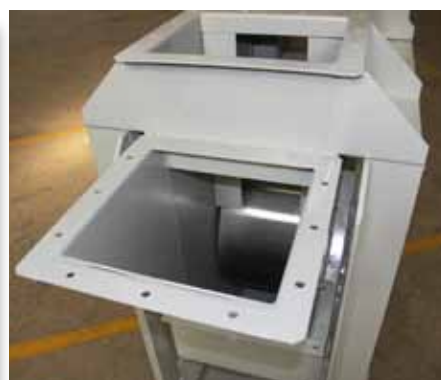
- Use of antistatic (ISO284) and self-extinguishing (ISO340) belts
- Fitting of explosion vents (to be specified according to each elevator: installation, capacity, KST product...)
- Dedusting at feeding inlets and outlets
- Misalignment belt control
- Rotation control
- Bearing temperature control (option)
- Inert gas injection



Bucket  
elevator



High capacity elevator head  
(1600 m<sup>3</sup>/h, height 65 m, 2x200 kW)



Refeeding  
inlet



Galvanized  
elevator



ATEX  
elevator



Elevators  
with discharge suction intakes