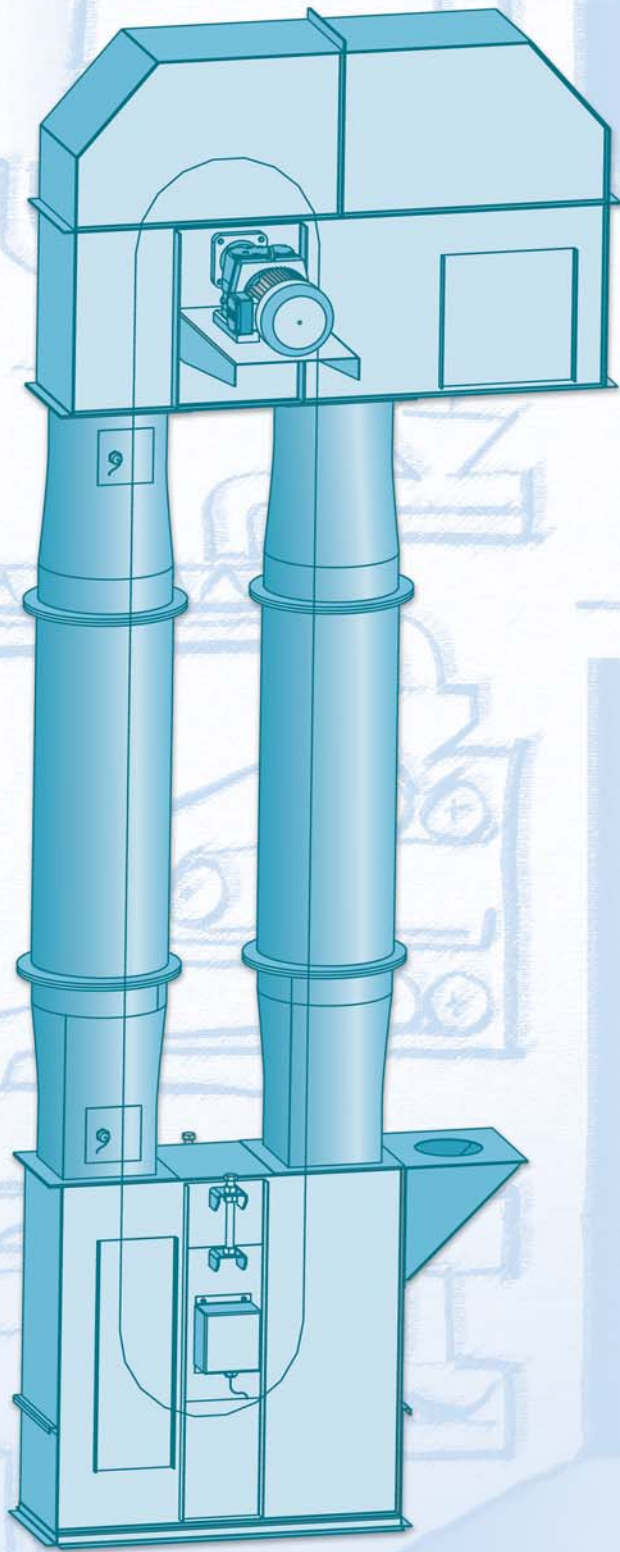


Bucket Elevators



From Malt to Mash

Malt intake | Silo plants | **Conveying equipment** | Flat screens | Destoners | Scales | Dust-removal devices | Malt humidification worms | Grist mills | Pre-mashing screws | Complete plants



The start of your production cycle:
with plants from the specialist.

KÜNZEL bucket elevators are used for the vertical conveying of grain, malt and other bulk materials. They are available in several standard dimensions for a wide capacity range or can be individually designed and manufactured as special versions for many different applications and conveying capacities.

KÜNZEL bucket elevators are robust and of high serviceability. There is a choice between the normal steel version with painted or galvanized surface and a stainless steel version. The elevator foot is fitted with a belt tensioner. The actual belt runs in a caged pulley in the foot in order to avoid caking which could otherwise impair correct operation. With the selection of bucket type, number of buckets per meter and by defining the belt speed KÜNZEL experts can optimize the operating parameters for the individual application and the required capacity.

Safety equipment

KÜNZEL bucket elevators are particularly safe to operate and are fitted with the following monitoring and safety elements:

- Mechanical anti-reverse lock
- Belt speed monitoring by proximity switches installed on the elevator foot (non driven side)
- Belt alignment control consisting of 4 proximity switches mounted outside the casing, isolated by a window



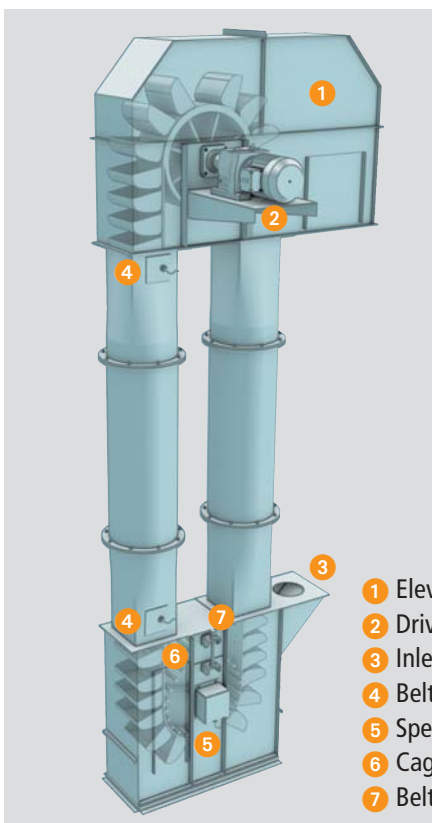
Explosion protection

For use in potentially explosive atmospheres KÜNZEL elevators are equipped with the necessary explosion protection equipment in compliance with the respectively valid regulations or specific customer requirements. Such equipment could include:

- Round elevator tubes with a compression resistance of up to 3 bar (standard)
- Explosion panels on elevator foot, head and also on tubes for extensive conveying heights
- Bearing temperature monitoring
- Active flame quenching systems
- Approval as explosion-proof device certified for Group II, Category 1 has been applied for.

Type	Belt speed m/s	Capacity m ² /h	Malt conveying capacity t/h	Motor output kW	Height m
E 315/132	2 – 2.8	12 – 30	6.5 – 15	0.75 – 2.2	4 – 55
E 400/200	2 – 2.8	26 – 50	14 – 27	0.75 – 3.7	5 – 55
E 500/250	2 – 2.8	39 – 94	21 – 51	1.1 – 5.5	5 – 55
E 630/315	2 – 2.8	55 – 157	30 – 85	3.0 – 11.5	5 – 55

Other sizes available on request



- 1 Elevator head
- 2 Drive
- 3 Inlet
- 4 Belt alignment sensors
- 5 Speed monitor
- 6 Caged pulley
- 7 Belt tensioning device



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