

# Mechanical Grain Conveying



KBE Bucket Elevators

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Compact drive solution with bevel gear motor.



Elevator boot inlet.



Tension of the bucket is easily done by adjusting the pulley at the elevator boot.



Access to elevator boot emptying.

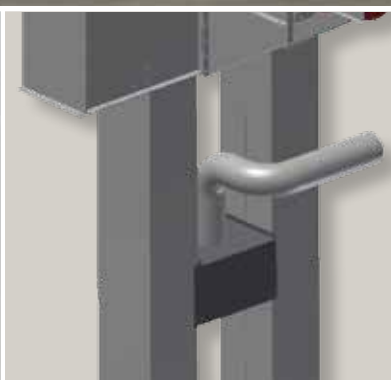
KBE bucket elevators are used for energy-efficient and gentle vertical conveying of grain etc. up to 25 m with capacities between 20-120 tonnes per hour.

## Includes the following

- Modular system with easy extension to the desired conveying height
- Weather-proof galvanized surfaces
- High efficiency bevel gear motor with minimal space requirement
- Shuttered inlet
- Belt tightening at elevator boot
- Cleaning hatch in elevator boot
- Wide range of adaptors for inlet and outlet

## Accessories - Wide range for optimum adaptation

- Back stop preventing the belt from running backwards with subsequent blockage of the elevator
- Speed sensor for control of belt speed
- Rain covers for motor, sensor and return valve
- Spigot for dust extraction from elevator pipes
- Oil resistant belt for e.g. conveying of rape
- Plastic buckets for sensitive crops
- Spacers between the belt and buckets for self-cleaning conveyance



The back stop prevents the elevator belt from running backwards (optional).

The speed sensor signals when the bucket belt stops (optional).

Dust suction spigot (optional).

Assembly of belt - mounting of buckets with self-locking nuts.

### Technical specifications

	KBE 20	KBE 40	KBE 60	KBE 80	KBE 100	KBE 120
Capacity 700 kg/m <sup>3</sup> 15% H <sub>2</sub> O, t/h	20	40	60	80	100	120
Material thickness extensions, mm	1.5	1.5	1.5	1.5	1.5	1.5
Material head and bottom, mm	3	3	3	3	4/3	4/3
Extensions standard, m	2.5 - 1.0 - 0.5 - 0.25					
Belt speed, m/sec	2.8	2.8	2.8	2.8	3.0	3.0
Belt width, mm	150	150	200	200	230	230
Buckets, per m	6	12	8	10.5	7.5	9
Motor power, kW	1.1 - 3.0	2.5 - 5.5	3.0 - 7.5	4.0 - 9.2	5.5 - 15	7.5 - 15