

Chain Conveyors



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 chain conveyors are used for the horizontal transportation of grain, malt or other bulk materials over longer distances. It is also possible to install the equipment at a slight angle of inclination for overcoming minor differences in height levels. The conveyors 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.

They can be equipped with several outlets depending on the application. Outlet slides are operated manually, pneumatically or electrically. For bidirectional feed the chain conveyor has a double bottom which ensures satisfactory, congestion-free operation.

KÜNZEL chain conveyors 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. Additional design features are:

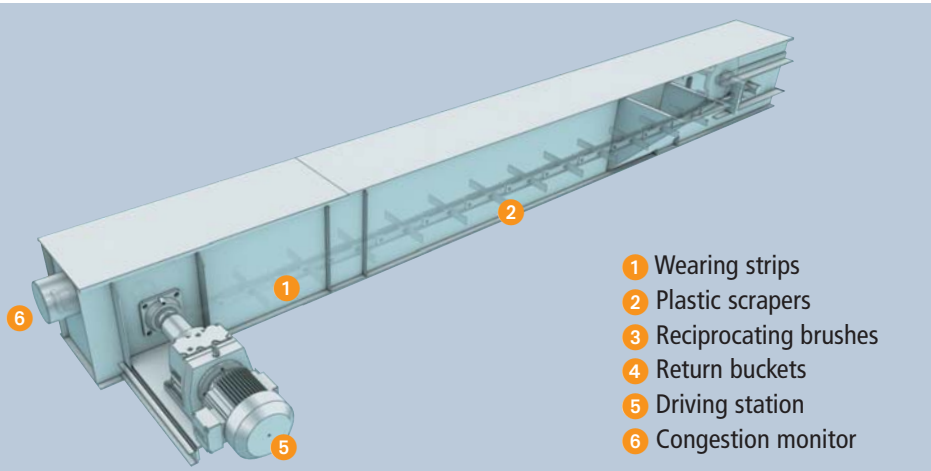
- Tensioning station with double spindle tensioning device and chain wheel running in a double bearing
- Driving station with reinforced sides, chain wheel and gear motor
- Easy-change wearing strips of virtually wear-free synthetic material
- Conveyor chain with hardened and grinded bolts and plastic scrapers
- Chain cleaning by means of reciprocating brushes at the outlet
- Return buckets

The cleaning equipment extensively avoids any mixing of materials caused by residues during the product change.

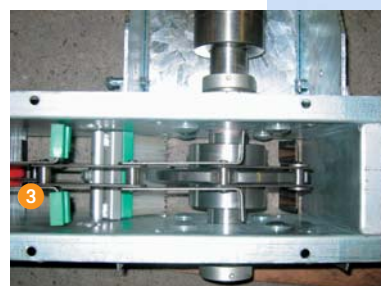
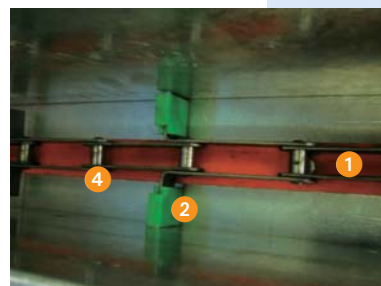
Safety equipment

KÜNZEL chain conveyors are particularly safe to operate and are fitted with the following monitoring and safety elements:

- Congestion control switch
- Speed monitoring



- 1 Wearing strips
- 2 Plastic scrapers
- 3 Reciprocating brushes
- 4 Return buckets
- 5 Driving station
- 6 Congestion monitor



Type	Chain speed m/sec	Capacity m ² /h	Malt conveying capacity t/h	Motor output kW	Length m
TKF 12/26	0.4 – 0.6	20 – 26	10.5 – 14.0	0.37 – 2.2	2.0 – 40
TKF 15/40	0.4 – 0.6	37 – 48	20.0 – 25.9	0.55 – 4.0	2.5 – 40
TKF 22/40	0.4 – 0.6	55 – 71	30.0 – 38.3	0.55 – 5.5	2.5 – 40
TKF 30/40	0.4 – 0.6	74 – 97	40.0 – 52.3	0.75 – 9.2	2.5 – 40

Other sizes available on request

ATEX Explosion protection

KÜNZEL chain conveyors are also suitable for operation in areas with a potentially explosive atmosphere. Approval as explosion-proof device certified for Group II, Category 1 has been applied for.



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