

# Flour Milling

## TCG Chain Conveyors

22



### Description ▼

TCG Chain Conveyors are designed for conveying dry solids such as free flowing powders, granules, pellets and flakes. The hot galvanized painted frame consists of a tail and head section, as well as a number of modular intermediate sections. Tail and head section contain the driven and the transmission sprockets. Depending on the characteristics of the material handled and on the throughput rate required, the conveyor chain is either manufactured from pressed chain links with bent scrapers or as a forged link chain with welded scrapers. The chain guide is manufactured from polyzene.

### Function ▼

TCG Chain Conveyors are specially designed for conveying cereals, flours or similar materials. The material is dragged and conveyed by rectangular scraper flights along the bottom of the casing. The flights are fixed on a guided chain. TCG Chain Conveyors can have multiple discharge points through intermediate outlets equipped with an electrically operated slide valve specially designed for this purpose.



### Application ▼

TCG Chain Conveyors, in their various sizes, find their most typical application in silo filling both in Cereals Storage Plants and Flour Milling Plants. TCG Chain Conveyors are used for horizontal conveying to discharge into one or more silos. They are also used for extraction from pits or hoppers. They are particularly suitable for handling all kinds of cereals, such as wheat, barley, corn, rice, soya and others, as well as powdery materials such as flour.

### Benefits ▼

- ✓ **Solid and robust design;**
- ✓ **Easy installation thanks to modular components;**
- ✓ **Suitable for explosive environments;**
- ✓ **Totally enclosed equipment, dust tight construction;**
- ✓ **Low maintenance and compact arrangement;**
- ✓ **Matches complementary equipment (see Bucket Elevators).**

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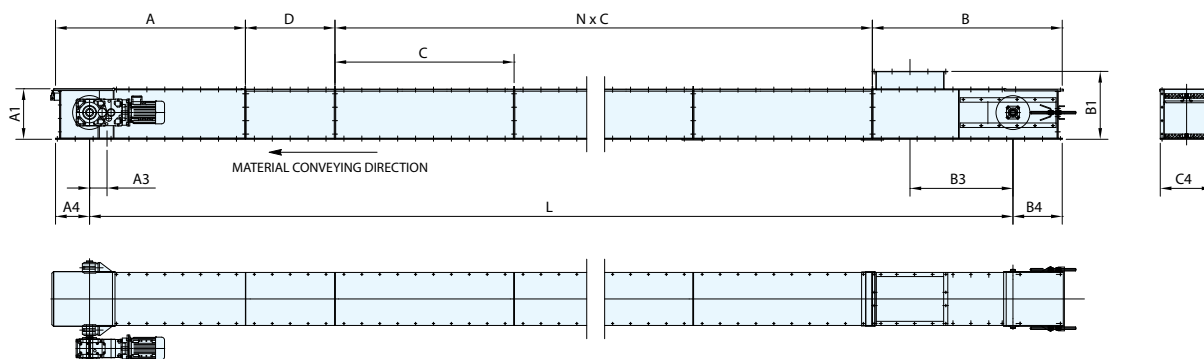
## TCG Chain Conveyors



### Technical Features / Performance ▼

- ▶ Throughput rates up to 1.000 m<sup>3</sup>/h
- ▶ Conveying lengths up to 100 m.
- ▶ Chain in pressed link chain with bent scrapers
- ▶ Completely bolted frame
- ▶ Wide range of accessories as:
  - ATEX II3D T4 certification
  - Forged link chain with welded scrapers
  - Self cleaning foot
  - Special casing (with double bottom, inlet for pit extraction, variation of inclination, flow control, inspection hatch)
  - Discharging slide valve
  - Electrical control systems
  - Vent outlet for de-dusting system
  - Stainless steel AISI304-316

### Overall Dimensions ▼



TYPE	TCG050	TCG100	TCG150	TCG200	TCG300	TCG400	TCG500	TCG600	TCG800
m <sup>3</sup> /h	87	130	210	280	404	533	670	800	1070
Max. length	100 m	100 m	100 m	100 m	100 m	100 m	100 m	100 m	100 m
Casing cross-section	200x290	300x290	300x420	400x420	500x550	660x550	Available on request	Available on request	Available on request
A	920	920	1,720	1,720	2,120	2,120			
A1	298	298	459	459	609	609			
A3	100	100	195	195	195	195			
A4	225	225	280	280	380	380			
B	920	920	1,720	1,720	2,120	2,120			
B1	343	343	555	555	804	804			
B3	800	800	100	100	1,150	1,150			
B4	332	332	385	385	548	548			
C	2,000	2,000	2,000	2,000	2,000	2,000			
C4	292	392	392	492	592	752			
D	1,400-600	1,400-600	1,400-600	1,400-600	1,400-600	1,400-600			
N	Variable depending on length								

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*This datasheet might not show the complete range but only the models most suitable for the application.*