

Chief Range of Chain and Flight Conveyors



**Chief
Industries
UK
Limited**

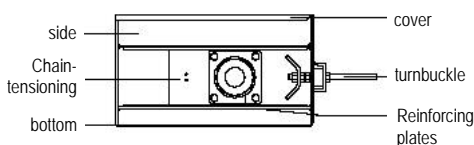
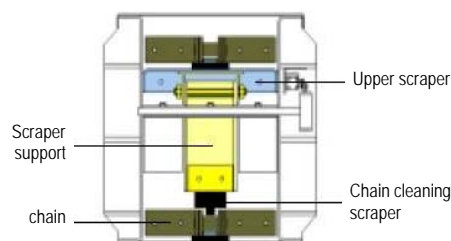
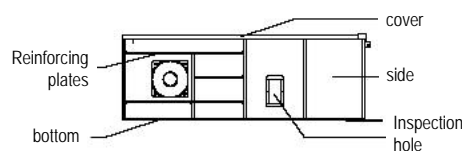
- The Chief Range of Chain and Flight Conveyors have capacities ranging from **40 T.P.H.** for Agricultural applications duties up to **600 T.P.H.** for Commercial and Industrial applications based on dry cereals.
- Suitable for all cereals and similar granular products, meals and pellets.

Standard Features

Drive End The drive end is manufactured from hot dipped galvanised sheet steel and reinforced to provide an extremely robust construction.

Inner spacing bars ensure rigidity.

To ensure chain cleaning and to prevent dragging of the product beyond the final outlet, the drive end is fitted with a cleaning system made of a high density polizene scraper (except for the 320 series). This system is coupled with a scraper for the cleaning of the drive sprocket, when a drop forged scraper chain is used. These devices ensure reliable operation of the machine and efficient conveying of the product.



Tail End The Tail end is built with hot dipped galvanised shaped sheet steel and strengthened with plates to provide an extremely robust structure.

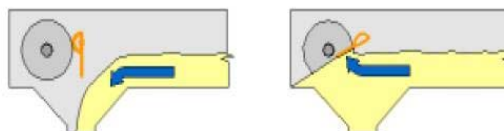
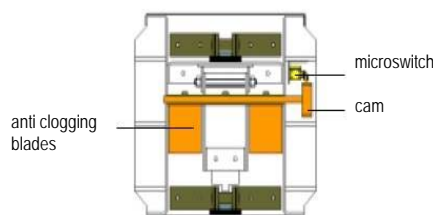
Inner spacing bars ensure notable resistance to the working stress of the machine.

The tail end is supplied with a chain tensioning system made with two slides supporting the shaft and return gear.

Adjustment is made by two screw turnbuckles.

Capacity Choke Protection

In case of clogging, the product lifts two blades connected to a cam. This cam activates a microswitch which stops the conveyor. This system also prevents access to the machine head while the conveyor is operating.



TECHNICAL DATA SHEET TDS-400



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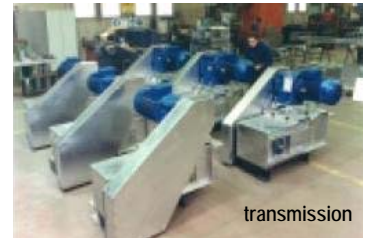
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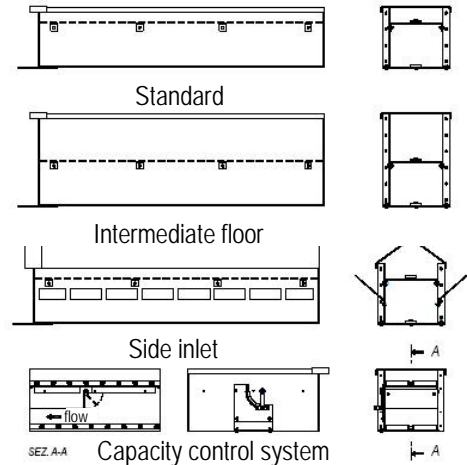
All capacities and dimensions are nominal. Due to our development policy prices and specification are subject to change without notice.



Motors The Chief Chain Conveyors come as standard with 3 phase 380/420 volt 50hz direct coupled geared motor drive (15.0KW drives and over require soft start facility) but can also be supplied with a transmission. The motor can be handed either to the left or to the right for flexible installation.



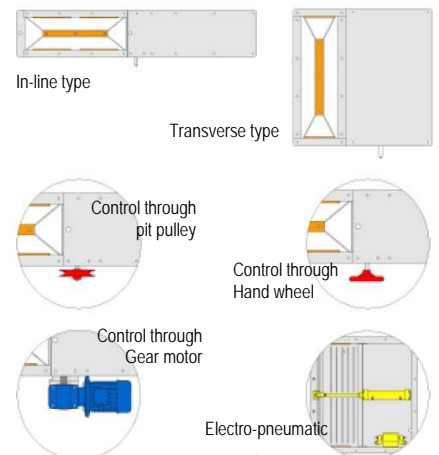
Casing The casing is of hot dipped galvanised and available in lengths of 0.5m to the maximum of 3.0m. The whole range can also be supplied with angled casings up to 15°. Casings are available in the following forms:



Accessories

Outlet Slides

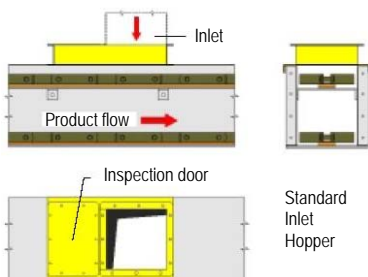
Available as in-line or transverse type depending on application, with either hand operated, geared motor unit, or electro-pneumatic operation, complete with limit switches.



Other accessories available including:

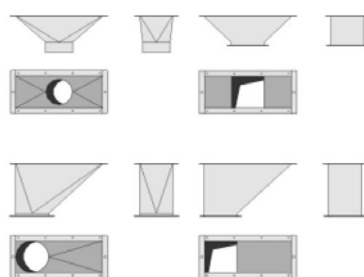
- Level Sensors
- Cupped flights for recycling
- Brush for intermediate outlets
- Food quality polyethelene bases.

Inlet Hoppers



A range of Inlet options are available including single/double side inlets and metered inlets depending on application.

Outlet Hoppers



A range of square and round outlet options are available depending on application.

Rotation Sensors



Rotation Sensors come complete with IP67 rated proximity switch.

Capacities

MODEL Chief	320		400					440		550			630		
	160	200	200	250	300	350	400	350	400	400	450	500	450	500	600
CAPACITY (tonnes) based on wheat -750kg/m ³	40	60	80	100	120	150	200	200	250	250	300	350	400	500	600