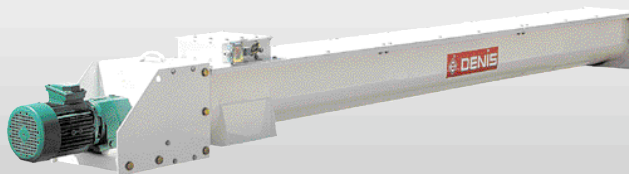
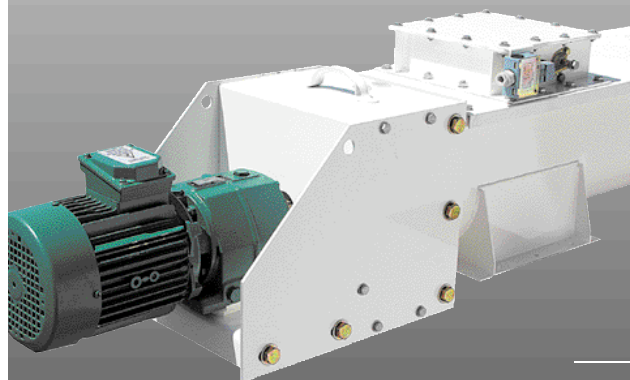


Example in
stainless steel

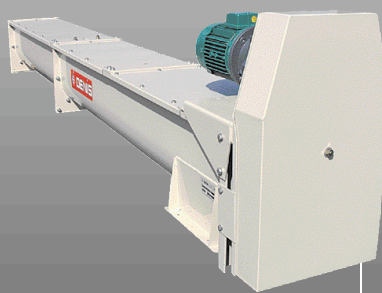


Trough Conveyor specifically
for bread making flour

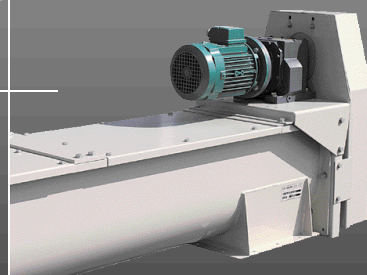


In line geared motor with
flexible coupling; choke relief

Flanged joints



A wide range of
trough conveyors
for many and
diverse products



Drive unit with geared
motor and chain and
pinions



Avenue Louis-Denis - 28160 Brou - France

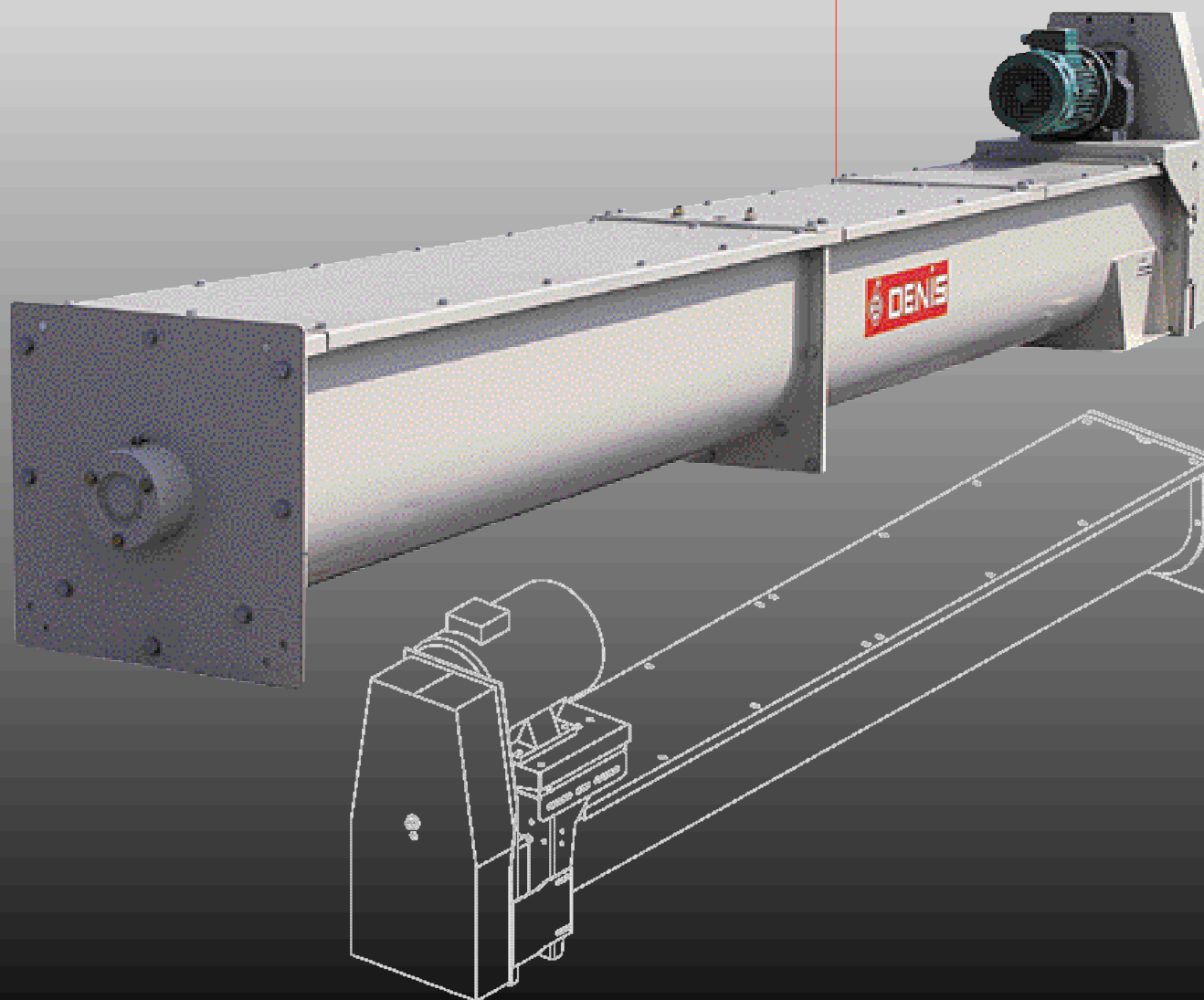
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Troughed Screw Conveyors



General Description

The **DENIS Troughed Screw Conveyors** provide for the handling of all bulk granular and similar products. They are particularly appropriate for the conveying at slow speed of fragile or delicate commodities and are used throughout the agricultural, commercial and industrial sectors. They provide the following advantages:

Operation and Performance: Joined by flanges which provide strength and rigidity to the conveyors even over longer lengths, the flight is manufactured in our own factory to our own demanding standards, the top cover is removable giving easy access for cleaning and maintenance, and different bearing types and drives can be provided as required

Reliable and adaptable: Consistent throughput, any length available in multiples of 0.25 m, inlets and outlets positioned where required. Drive type to suit requirements

Robust and economical: Solid construction, reduced maintenance

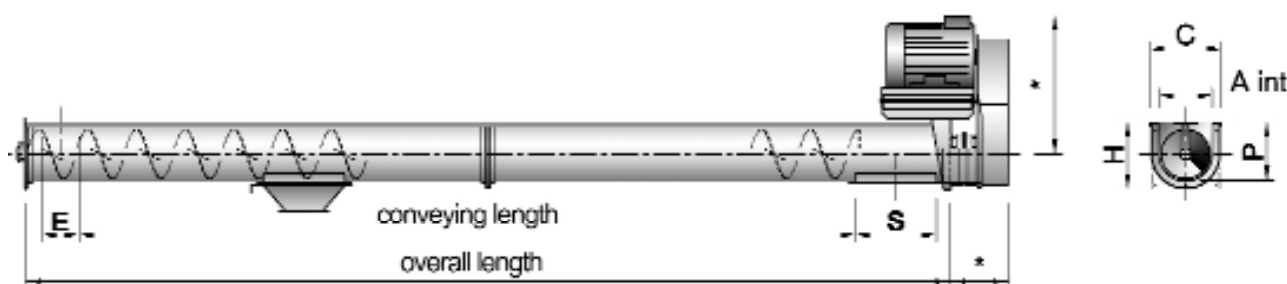
Meticulous preparation and manufacture provide quality: the standard paint finish starts with degreasing, then phosphate primer, before the final coats which are baked at 180°C, and applied to each individual part

Options: white food quality paint, hot dipped galvanising, stainless steel

Safety: this equipment conforms with the European Standards for safety and strength and with **ATEX**, the European Explosion prevention requirements

Type	VA 130	VA 210	VA 300	VA 350	VA 400
Throughput (t/h)*	10 t/h	20 t/h	40 t/h	50 t/h	75 t/h
Throughput in m ³ /h	13 m ³ /h	26 m ³ /h	53 m ³ /h	66 m ³ /h	100 m ³ /h
RPM	210	130	88	77	80
Maximum power (kW)*	2,2	4	11	11	15 kW

(*) Density 750 kg/m³



(*) This dimension is relevant to the installed motor power

Standard Dimensions (mm)

Type		VA 130	VA 210	VA 300	VA 350	VA 400
Flight diameter		Ø 130	Ø 210	Ø 300	Ø 350	Ø 373
Trough width	A	160	230	324	374	398
Width overall	C	212	300	408	458	506
Trough depth	P	170	250	354	414	443
Height overall	H	198	280	405	465	500
Trough thickness		2	2	3	3	4
Inlet E and Outlet S Dimensions	E S	160 square 350 x 160 or square 160	160 square 350 x 160 or square 250	200 square 500 x 250 or square 300	250 square 500 x 250 or square 350	350 square 400 square

Denis Troughed Screw Conveyors can also be provided in bin discharger, taper screw or asymmetric variations – see separate documentation

A wide range of troughed screw conveyors in standard or purpose built form are available to handle at different throughputs all types of bulk products with different characteristics such as: cereals, fragile products, granules and powders, flours, pellets, dry pulps, minerals, wood chips and sawdust, etc... and many other materials in a wide range of industries

Characteristics

A Head Unit, complete with drive

with bearings (for the conveyors supplied without geared motors or shaft mounted gearboxes)

Options:

- Sealed bearings or special bearings

B Drive

by motor and shaft mounted geared motor (depending upon model and RPM). Drive via pulleys and VEE belts (or geared motor with chain and pinions for the VA 400)

Options:

- Different speeds
- Drive type according to requirement
- Shaft mounted geared motors (in line or right angle drives)
- In line geared motors with flexible couplings and guards
- Variable speed drives by inverter

E Flight

accurately aligned and welded on the centre tube, bolted to the intermediate bearing shaft

Options:

- Reduced pitch
- Left hand flight
- Case hardened
- Ribbon flight
- Flight continuously welded on one or both sides
- flight without bearings
- Close tolerance flight
- Increased thickness of flight
- Paddle blade thrower at outlet

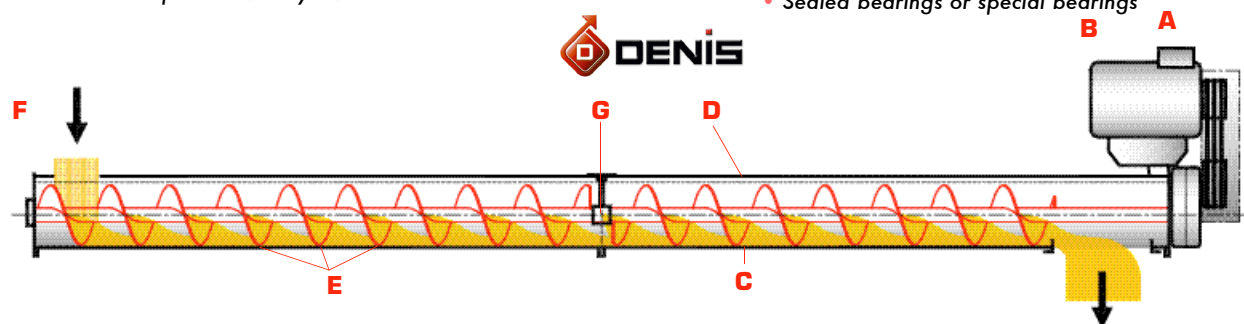
F

Tail Unit

flanged or foot mounted bearings (certain models)

Option:

- Sealed bearings or special bearings



C Trough

joined by welded flanges, bolted together

Options:

- Increased thickness of trough
- Sealed joints
- Raised sides to the trough
- Open bottoms
- Trough supports

D Covers

flat

Options:

- Pitched covers
- Profiled covers
- Sealed covers

Finish

oven baked paint finish

Options:

- Galvanised finish
- White food quality
- Stainless steel 304L, 316L

G Intermediate Bearings

twin seals and flexible mount allowing for misalignment, fitted at every 3.0m or thereabouts (6.0m on model VA 400)

Options:

- With plastic inserts
- Bronze bearings
- Split plain bearings
- Sealed graphite bearings

Intermediate Outlets

with slides

- Electric
- Electro-pneumatic
- Manual - by handwheel
- chain operated



This equipment meets with the standards for safety and strength



This equipment conforms to the **ATEX** requirements

Accessories

- Adaptors, pipework, mobility
- Safety: speed detectors, choke relief flaps with microswitches, temperature sensors

Applications

There are different specifications suited to a number of applications

Agro-cereal sector

- Agriculture
- Commercial grain
- Animal feeds
- Milling, etc

Industrial sector

- Minerals
- Fertilizer, etc