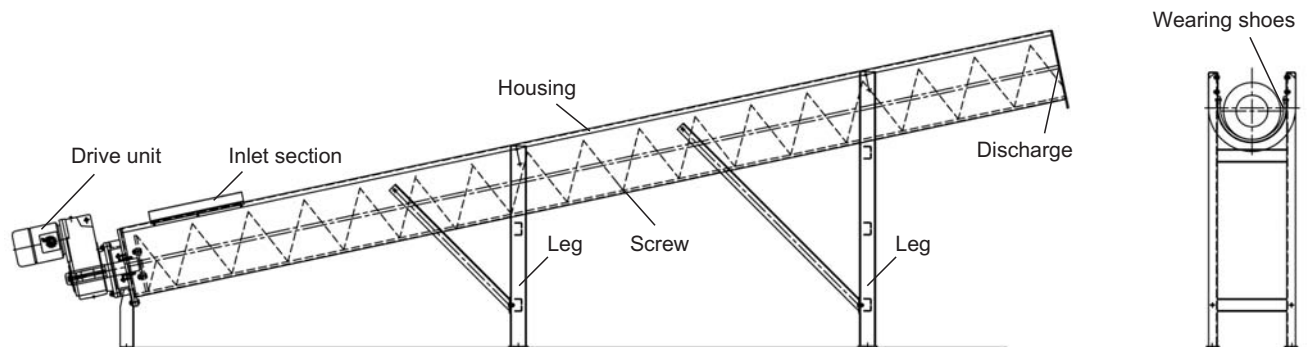


SCREW CONVEYOR

MASS screw conveyors are designed to transfer different material including solids, water and sludge. In treatment plants, they are commonly used for conveying of screening material, grit and dewatered sludge.

Screw conveyors can be implemented as horizontal installation or they can be installed as inclined depending on application and process design requirements.



Screw conveyor consists of following parts;

Inlet section

Inlet section can have one or multiple inlet hopper depending upon system needs and client request. Material is charged into the conveyor through inlet section. Hoppers are made from regular steel or stainless steel and mounted to conveyor housing.

Housing

Conveyor housing is manufactured from stainless steel with semi cylindrical shape

Screw and wearing shoes

The screw which is used for conveyors is shaftless type and manufactured from St 52.3 quality hardened steel for standard applications and from stainless steel for some special purpose use. To prevent friction and abrasion between two metal surface; body and screw, polyethylene wearing shoes is fitted on the inner surface of housing.

Drive unit

Each drive unit is consisting of a motor which has IP 55 class protection as standard application and a gearbox to reduce motor output speed and supply suitable rotation speed for screw conveyor. Explosion proof application is available.

Legs

Steel legs are mounted to conveyor body and fixed to installation floor by anchor bolts.

Optional accessories:

- Water discharge valve
- Rotation switch
- Local control panel

MAN 9100 06.09-E



SCREW CONVEYOR



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