



DIMENSIONS	<i>custom</i>
WEIGHT	<i>custom</i>
POWER	<i>custom</i>
VOLTAGE	230/400 V
LOADING	<i>continuous</i>

DESCRIPTION

The screw conveyor uses a worm screw to transport short swarf from one device to another or to convey it to a storage site (container).

The screw is inserted into a channel or into a sheet metal pipe measuring 30/10, reinforced and supported, and is driven by a 0.35 kW geared motor. The channel can be made with wear-resistant elements for the parts in greatest contact with the swarf, if this is particularly abrasive.

It can be horizontal or inclined or have bidirectional motion. It can also be equipped with a swarf collection hopper (optional) or serve as a dosing unit for a collection tank. It is often equipped with inspection doors. To increase the quantity of swarf transported, the conveyor can be equipped with a double screw.

SUPPLY

- Trapezoidal or cylindrical section channel, in sturdy metal carpentry;
- Support structure for anchoring;
- Lids, screw, supports, bearings;
- Geared motor of approximately 0.35 kW.

OPTIONAL

- Swarf collection tank or hopper;
- Drainage device with coolant collection tank;
- Channel in wear-resistant material.

HOURLY PRODUCTION

Q = 0.1 m ³ /h	BRASS	STEEL	ALUMINIUM	STAINLESS STEEL	COPPER	CAST IRON
Δ density [kg/dm ³]	=	=	=	=	=	=
Kg/h →	=	=	=	=	=	=

EACH CONVEYOR IS SIZED ACCORDING TO THE CUSTOMER'S REQUIREMENTS. THE QUANTITY OF SWARF TRANSPORTED ALSO DEPENDS ON THE HEIGHT TO BE REACHED AND THEREFORE ON THE INCLINATION OF THE CONVEYOR, BUT ALSO ON DENSITY AND SHAPE OF THE MATERIAL TO BE TRANSPORTED.

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SWARF CHARACTERISTICS & TECHNICAL NOTES

1. To be transported with this conveyor, the swarf must necessarily be short;
2. The swarf can be dry or soaked in coolant oil. In this case the conveyor must be equipped with a dredging device and an oil collection tray (optional).



USE OF THE SCREW CONVEYOR

The screw conveyor can have multiple applications:

1. Centrifuge loading.
2. Collection tank loading.
3. Dosing unit serving a collection tank or pneumatic system.
4. As a diverter in case of two materials managed by a single treatment unit. In this case the screw will have bi-directional motion.



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