

## SCREW CONVEYOR



### DESCRIPTION

The FAMA **screw conveyor** is a device designed to move metal chips from one point to another. The conveyor system consists of a pipe or channel in sturdy metalwork inside of which a worm screw (screw) pushes the material from the loading point to the unloading point.

The conveyor is made with metalwork and turned components and can be inclined when necessary to discharge at a greater height.

Special applications can lead to the realization of screw conveyors with greater inclination.

### SUPPLY

- Trapezoidal section channel or metalwork pipe of variable length
- Screw with shaft
- Bearings and supports
- Adequately powered geared motor
- Height adjustable support structure
- Electrical components.

### OPTIONAL

- Elements in contact with swarf made with wear-resistant material

DIMENSIONS	WEIGHT	POWER	VOLTAGE	LOADING
Custom	Custom	Custom	230/400 V	Continuous

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## SCREW CONVEYOR

### HOURLY PRODUCTION

Q = 0.8 m <sup>3</sup> /h	BRASS	STEEL	ALUMINIUM	STAINLESS STEEL	COPPER	CAST IRON
density [kg/dm <sup>3</sup> ]	1,5	1,3	0,8	1,1	1	1,4

to be sized according to needs

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.



Example of centrifuge discharge screw conveyor application

### SWARF CHARACTERISTICS & TECHNICAL NOTES

- To be transported with this conveyor, the swarf must necessarily be short
- 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:

- Centrifuge loading
- Collection tank loading
- Dosing unit serving a collection tank or pneumatic system
- 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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