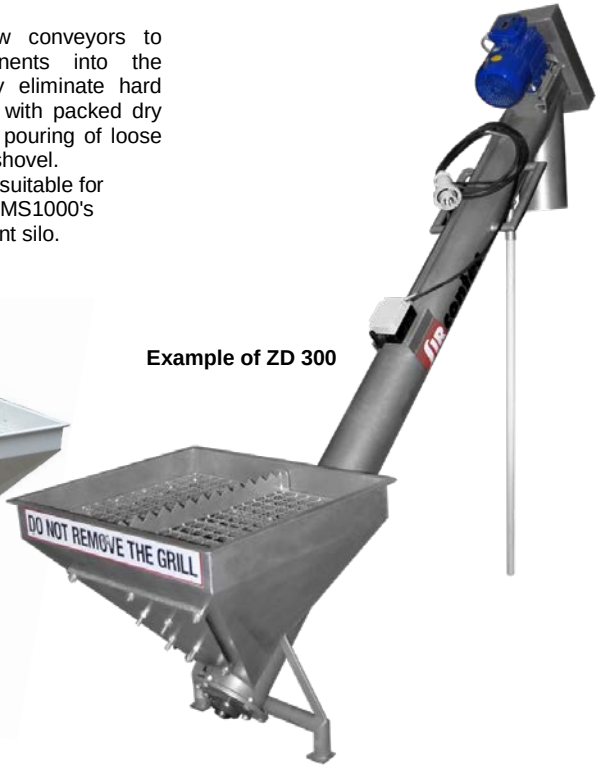
SCREW CONVEYORS

Type: ZD 150, 300 — Data Sheet No. 013.1

Easy to handle screw conveyors to transport dry components into the MS1000 blender. They eliminate hard work when lifting bags with packed dry components or manual pouring of loose dry components with a shovel.
The conveyors are also suitable for feeding cement into the MS1000's mixing unit from a cement silo.

Example of ZD 150



Example of ZD 300

Use: It is used to transport dry components into a mixer. The dry components can be loaded into the hopper of the conveyor manually or may fall (are loaded) into the conveyor hopper from a silo and then are conveyed into the mixer.
The conveyor is optional for MS 1000 or M 1000.

Parts: Body, screw, drive, hopper with a bag tearing device, supporting legs and upon request – vibrator.

Specification:

The conveyors **ZD** can be controlled either manually or through the MS1000 control unit where the control (automatic switching on and off) of the **ZD**, its vibrator and a vibrator of the silo (if used) is automatically provided through their power connection to the switchboard (sockets) of MS1000 Control Centre.

Type of conveyor	ZD 150	ZD 300
Installed power:	2.25 kW	2.25 kW
Delivery capacity with vibrator:	up to 4.5 kg/sec	up to 9 kg/sec
Dimensions l × w × h:	2 450 × 800 × 770 mm	2 250 × 800 × 770 mm
Weight:	125 kg	120 kg

Transport: Fitted to a suitable vehicle.

Operation:

1. Start up:

Before the start of work, the conveyor is placed onto a reinforced surface and connected to the MS 1000 blender hopper and to the switchboard of MS1000 Control Centre.

2. Operation:

At the beginning of individual production cycles in selected modes, an operator of MS 1000 with **ZD** connected to it enters commands via a control panel.
The conveyor can operate at temperature above 0°C.
It is recommended to protect the conveyor from precipitation humidity during its operation.

3. End of operation:

After disconnecting the conveyor from a power supply, remove residual dry components from it and after its disconnection from the MS 1000 blender, it is ready for transport.

4. Site conditions:

Power supply:	400 V/50 Hz, 5 pin connection (CEE-coupling), fusing (C) min. 16 A
Access:	access road must be suitable for a light vehicle and permanently accessible
Required area:	2 × 2 m in addition to the area for MS 1000

Safety: The equipment complies with EU safety regulations and standards.
Electric installation is in a five-pin version with a separate fusing or with fusing in the MS 1000 electric box.

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