



# MAFA Pipe Auger 152 mm HD

**MAFA Pipe Auger 152 mm HD** is a reinforced transport auger for the tough challenges, constructed with extra strong spiral and center tube. Drive and splice pins in spline design mean that the auger can handle a high number of start and stops. The galvanized outer tube is fitted with a flange for a safe and strong joint.

**MAFA Pipe Auger 152 mm HD** is intended for transport of dry bulk materials in granulated / pellet form as well as wood pellets. The recommended diameter for wood pellets is 6-8 mm, however, the pellets must not exceed 9-10 mm. The drive consists of a gear motor where power and gear ratio are adapted to the desired capacity.

The transport auger consists of three main parts: Inlet section, extension section and outlet section. The bearing end of the transport auger consists of a spherical plain bearing and for extra safety the end bearing can be provided with a rotation sensor. Inlet and outlet have a diameter of 200 mm and are provided with a rolled flange for connecting pipes or hoses.

The main parts consist of inlet and outlet parts and auger extensions. The inlet parts are available in both half and full pitch depending on how the auger is fed. The outlet part is constructed with a short reversed spiral after the outlet to counteract material packing in the auger end.

**MAFA Pipe Auger 152 mm HD** is easy to plan and install thanks to its modular construction. Spiral and outer pipes are delivered length-adjusted together in lengths of 0.5 m, 1 m, 2 m and 3 m.

## Accessories

The range includes a wide range of accessories and in combination with high quality and solid experience we cover most wishes regarding the transport of dry materials with an auger.

## Product data

Gear motor, 3-phase, up to 3.0 kW

Gear ratio depending on the desired capacity.

Diameter of outer tube: 152 mm

Outer diameter auger spiral: 121 mm

Thickness of material, auger spiral: 6/3 mm

Outer diameter of center tube in auger: 50.8 mm

Thickness of material, center pipe: 3.0 mm

Spiral pitch: 120 mm

Max length: 9 m

Maximum slope: 45 °

## Technical information

### Capacity table for auger inclination 0 ° and 45 °

| Art. no | Model                         | At 0°     | At 45°    |
|---------|-------------------------------|-----------|-----------|
| 6082    | Pin gear motor 12 rpm 0,25 kW | 370 kg/h  | 280 kg/h  |
| 6081    | Pin gear motor 21 rpm 0,55 kW | 650 kg/h  | 490 kg/h  |
| 6080    | Pin gear motor 33 rpm 0,75 kW | 930 kg/h  | 700 kg/h  |
| 6079    | Pin gear motor 46 rpm 0,75 kW | 1420 kg/h | 1070 kg/h |
| 6078    | Pin gear motor 64 rpm 1,1 kW  | 1980 kg/h | 1490 kg/h |
| 6077    | Pin gear motor 86 rpm 1,5 kW  | 2660 kg/h | 2000 kg/h |
| 6076    | Pin gear motor 143 rpm 2,2 kW | 4430 kg/h | 3330 kg/h |
| 6075    | Pin gear motor 219 rpm 3,0 kW | 6790 kg/h | 5090 kg/h |

The capacity is theoretically calculated. The capacity in practice depends on many factors, including the volume weight of the material (may vary from delivery to delivery).