

DN50/DN75 PULLEY WHEEL HOSE MANAGEMENT



The Pulley Wheel, designed for the BOD2 printer, offers a manual alternative to the Advanced Hose Management System (AHMS). This wheel allows for the smooth gliding of material hoses, ensuring efficient delivery of 3D printing material to the printhead. Its design includes the ability to rotate vertically, adapting to the printhead's movements.

For secure installation, the Pulley Wheel attaches to the top aluminum truss with a clamp, hanging below it. For optimal performance and to reduce lateral stress, it is advised to install the Pulley Wheel centrally on the truss.

TECHNICAL SPECIFICATIONS

DESCRIPTION	
Material	Brut aluminum (lifting bracket) Electro-galvanized steel according to ISO 19598 (wheel and clamp hose protector)
Bending Radius	39 cm (DN50) 49 cm (DN75) 15.4 inch (DN50) 19.3 inch (DN75)
Diameter	78 cm (DN50) 98 cm (DN75) 30.7 inch (DN50) 38.6 inch (DN75)
Weight*	45 kg (DN50) 75 kg (DN75) 99.2 lbs (DN50) 165.4 lbs (DN75)
Recommended Hoses	Textile Concrete Hose
Maximum Recommended Hose Length	70 m (DN50) 40 m (DN75) 230 ft (DN50) 131 ft (DN75)
Prerequisite	COBOD alu top truss structure
Installation Process**	It is recommended to install the Pulley Wheel onto the Aluminum Top Truss at ground level before lifting and attaching the Alu Top Truss to the BOD2.

* The parameter does not include the material hoses.
 ** After the installation process, standing underneath the Pulley Wheel during operation is not recommended.