

The invention relates to mechanical engineering, in particular to belt conveyors, and can be used for transportation at a wide angle relative to the horizon of dry bulk, semi-dry and wet materials and lump goods.

The belt conveyor comprises a frame (1), on which are mounted a drive roll (2) and a tension roll (3), on which is placed a belt (4), based on upper (5) and lower (6) roller bearings, a conveyor drive and a loading hopper (8). On the working surface of the belt (4) are made longitudinal ribs (9) in the form of a triangle in cross section. The lower transverse edge of the loading hopper (8) is made with a profile identical to the profile of the longitudinal ribs (9). In the zone of the loading hopper (8) are mounted horizontal cylindrical roller bearings, and at the outlet from the area of the loading hopper (8) in the central zone of the belt (4) are also mounted horizontal cylindrical roller bearings (11), and under the side faces of the belt (4) are mounted inclined cylindrical roller bearings (10). The drive roll (2) is made barrel-shaped, and on its side faces are fixed to the frame (1) guide trays (7).

Claims: 1

Fig.: 7

