

Vikon conveyor belt

1. Description:

The Vikon conveyor belt is designed for transporting products using a driven belt. The Vikon belt conveyor comes in several variations:

Type:

- A 50-50 The standard version, available in 3 belt widths 200, 300 and 470 mm. The drive roller diameter being 50 mm. The non-driven roller is also 50 mm.
- A 25-50 This type is available in belt widths of 200 and 300 mm. The drive roller diameter being 50 mm. The non-driven roller diameter being 25 mm.
- B 50-50 This version is equipped with an additional -tensioning roller and is available with belt widths of 200 and 300 mm. The driven roller diameter is 50 mm. The non-driven roller diameter is also 50 mm.
- B 25-25 This version is equipped with an additional -tensioning roller and is available with 200 and 300 mm belt widths. The driven roller diameter is 25 mm. The non-driven roller diameter is also 25 mm.
- B 50-25 This version is equipped with an additional-tensioning roller and is available with belt widths of 200 mm and 300 mm. The driven roller diameter is 25 mm. The non-driven roller diameter is 50 mm.
- B 25-50 This version is equipped with an additional-tensioning roller and is available with belt widths of 200 mm and 300 mm. The drive roller 50 mm in diameter. The non-driven roller diameter is 25 mm.
- E 70-70 This version is of a sturdy construction, available in belt widths of 450, 470 and 690 mm. The drive roller and non-driven roller diameters both being 70 mm.



Fig.1: Vikon conveyor belt

The construction material is primarily aluminium with painted steel, galvanised steel and/or stainless steel components. The motor/ gearbox is of IP 55 construction and of fixed speed.

This type of conveyor is available with three types of belt materials as standard:

- S: Standard version, PVC belt with 2 fabric layers. Suitable for the transport of products in a dry and dust free environment.
- GS: Smooth wear-resistant version, PVC belt with 2 fabric layers. Designed for buffering of product, while the belt continues to run.
- GR: Rugged construction, non-slip PVC belt with 2 fabric layers. Suitable for handling product on a steeper incline.

The belt conveyor is provided with a PVC ridge down the centre of the belt to ensure that the belt remains central. The standard colour of the belt is black.

2. Technical specifications:

- Length : Minimum 1000, maximum 10000 mm.
- Width : Available in a variety of belt widths, see above descriptions.
- Height standard : 750 until 950 mm.
 - minimum height: 350 mm.
- Motor rating : 0.18 to 0.37 kW.
- Maximum belt speed : - belt width 200 and 300 mm: 60 m/min.
 - belt width 450 and 690 mm: 40 m/min.
- Maximum load : - A and B type with belt width of 200 and 300 mm: 10 kg per metre.
 - A type with belt width of 450 mm: 15 kg per metre.
 - E type with belt width of 450 and 690 mm: 20 kg per metre.

3. Options:

A: Dual adjustable side guides.

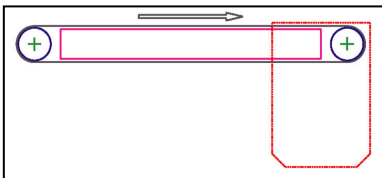


Fig.2: Vikon conveyor belt type A50-50

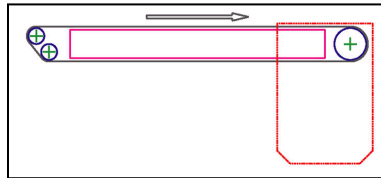


Fig.3: Vikon conveyor belt type A25-50

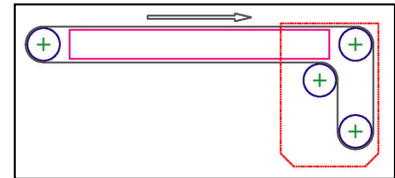


Fig.4: Vikon conveyor belt type B 50-50

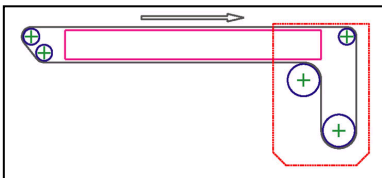


Fig.5: Vikon conveyor belt type B 25-25

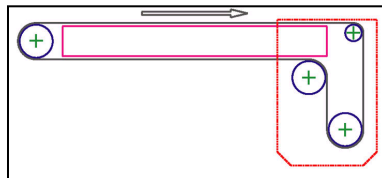


Fig.6: Vikon conveyor belt type B 50-25

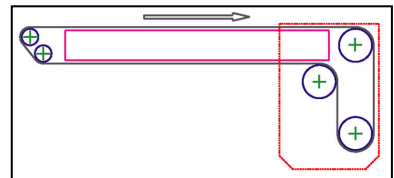


Fig.7: Vikon conveyor belt type B 25-50

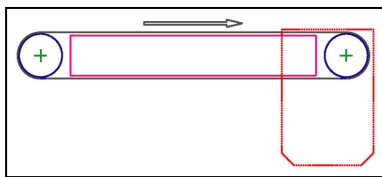


Fig.8: Vikon conveyor belt type E 70-70

4. Remarks:

- The conveyor belts available as standard are not suitable for use in a damp environment. For using this type of belt conveyor in a damp environment a double impregnated conveyor belt and galvanised steel and/ or stainless steel components are required.
- The maximum angle of incline depends on the type of product, conveyor belt and environment. In theory the following angles of incline are feasible when using a clean, dry crate in a clean and dry environment/ conveyor belt.
- Conveyor belt (S) : 10 degrees (170 mm per meter)
 Conveyor belt (GS) : 7 degrees (120 mm per meter)
 Conveyor belt (GR) : 20 degrees (340 mm per meter)

- Depending on the product to be conveyed smaller rollers may be required. For example products that can easily be damaged, for these products a roller diameter of 25 mm could be used.
- The drive unit of any given conveyor should always be fitted on the out feed end of the conveyor to provide maximum torque when transporting goods.

5. Drawing of the Vikon conveyor belt:

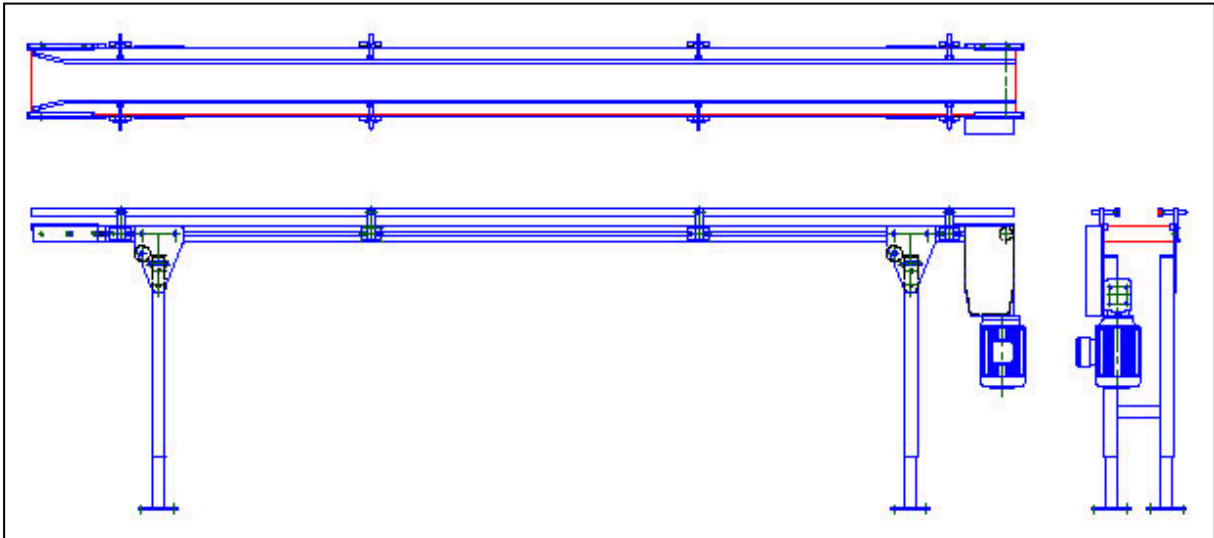


Fig. 9: Vikon conveyor belt