TCF-50HT – A New Member of Habasit’s Highly Rated TC Power Transmission Belt Range

TCF-50HT is particularly suitable as driving belt for live-roller conveyors at room temperature. It perfectly combines long belt life with high performance and energy saving.

Tests at large distribution centers confirmed:
- High abrasion resistance of belt surface and constant grip
- Precise and constant speed of sorting lines resulting in smooth handling and high throughput of transported goods
- Outstanding dimensional stability
- Long belt service life
Key features

| Durable and proven TPU covers | • High abrasion resistance  
• Reliable and consistent grip  
• Perfectly suitable as driving belt for live rollers: uniform  
machine speed and precise sorting of transported goods  
• Long belt life |
| Traction layer made of PET fabric and thermoplastic TPU foil | • Excellent dimensional stability  
• No re-tensioning required, no machine downtimes  
• Less maintenance cost  
• High machine output  
• Not sensitive to changing ambient humidity |
| High longitudinal flexibility  
Good flex-fatigue properties | • Low energy consumption  
• Long belt life |
| Good belt tracking | • No re-adjustments required |
| Easy on-site joining without adhesives  
Durable joint with excellent flex fatigue properties | • No time-consuming disassembly of machine required  
• Reduced machine downtimes and low cost  
• Long belt life |

Positioning/product selection

TCF-50H and TCF-50HT: the optimal products for all requirements:

**NEW product**

**TCF-50HT**

Long belt life and best performance for applications at room temperature

Temperature range: 0 °C to 70 °C

Color green/green

**TCF-50H**

Particularly recommended for low temperature applications (e.g. cold stores)

Temperature range: -30 °C to 70 °C

Color white/white

Technical key data

| TCF-50HT |
|---|---|
| **Thickness** | 2.0 mm  
0.08 inch |
| **Tensile force**  
(k1% after running in) | 24 N/mm  
137 lbs./inch |
| **Pulley diameter minimum**  
without or with counter flection | 60 mm  
2.4 inch |

Cross section

Product liability, application considerations

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