TC-20/25EF – The Refined Power Transmission Belt for an Optimal Performance

Habasit is setting new benchmarks by optimizing the traction layer construction of the proven TC-20/25EF belt.

TC-20/25EF is particularly suitable as tangential belt for applications in yarn processing.

**Customers profit from:**
- Outstanding flex-fatigue properties
- Up to 6% lower energy consumption compared to previous version of TC-20/25EF
- Up to 12% reduced energy consumption compared to competitors’ ‘traditional’ polyamide belts
- Highest reliability combined with long belt life
- The previous version can be replaced by optimized version without any restrictions
**Energy and cost savings**

**Extensive field tests at leading yarn producers have proven:**
- Excellent performance and machine output
- Precise and uniform speed of spindles
- Long belt service life

**TC-20/25EF – the right answer against increasing energy costs**

<table>
<thead>
<tr>
<th>Energy and cost savings</th>
<th>TC-20/25EF</th>
<th>TC-20/25EF optimized version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average energy saving vs. competitors’ polyamide tangential belt</td>
<td>4% – 6%</td>
<td>10% – 12%</td>
</tr>
<tr>
<td>Average energy cost savings per spindle/year</td>
<td>~ 1.1 USD</td>
<td>~ 2.2 USD</td>
</tr>
<tr>
<td>Average energy-saving potential/year in a spinning mill with 200,000 spindles</td>
<td>~ 200,000 USD</td>
<td>~ 400,000 USD</td>
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</tbody>
</table>

**Assumptions**

- Energy consumption per spindle: 25 W
- Energy costs per KWh: 0.1 USD
- Operation time: 24 hours/360 days
- Number of spindles per plant: 200,000

**Technical key data TC-20/25EF**

- Thickness: 2.5 mm (0.1 inch)
- Tensile force (k1% after running in): 11 N/mm (63 lbs./inch)

**Cross section**

For further information, please contact your local Habasit representative: www.habasit.com

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