Fenner PowerTran®
Green Cover Belts

Power Rating Graph of SPC 5600 PT @PCD315mm, Speed Ratio =1:1

 nominal Power Rating per Belt-kW

<table>
<thead>
<tr>
<th>RPM</th>
<th>500</th>
<th>1000</th>
<th>1500</th>
<th>2000</th>
<th>2500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly-F Plus Belt</td>
<td>14.75</td>
<td>25.96</td>
<td>33.93</td>
<td>37.79</td>
<td>36.5</td>
</tr>
<tr>
<td>PowerTran® Belt</td>
<td>20.21</td>
<td>36.86</td>
<td>48.01</td>
<td>53.66</td>
<td>51.1</td>
</tr>
</tbody>
</table>

40% Higher Power than normal belts
18% - 20% Savings in Drive Cost

Fenner PowerTran®
Belt Advantages:
- Reduce drive cost up to 20%
- Reduce drive width up to 30%
- Reduce drive weight up to 25%
- Maintenance free; optimum tension throughout service life
- In built Match Set, can be used in sets without further measurement
- Up to 97% drive efficiency
- Up to 40% more power
- High resistance to shock loads

Total Power Transmission & Sealing Solutions
**Savings with Fenner PowerTran® Green Cover Belts**

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Fenner SPC Belt Drive</th>
<th>Fenner PowerTran® SPC Belt Drive</th>
<th>Savings with PowerTran® Belt Drive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor Pulley</td>
<td>375mm PCD X10 SPC</td>
<td>375mm PCD X7 SPC - PT</td>
<td>34%</td>
</tr>
<tr>
<td>Driven Pulley</td>
<td>710mm PCD X10SPC</td>
<td>710mmPCD X 7 SPC - PT</td>
<td>24%</td>
</tr>
<tr>
<td>Belt Size</td>
<td>10XSPC 4500</td>
<td>7 X SPC - PT 4500</td>
<td>-19%</td>
</tr>
<tr>
<td>Motor Pulley Price(Rs/each)</td>
<td>25105</td>
<td>16560</td>
<td>Net Saving</td>
</tr>
<tr>
<td>Driven Pulley Price(Rs/each)</td>
<td>47315</td>
<td>36035</td>
<td>17%</td>
</tr>
<tr>
<td>Belt Price(Rs/each)</td>
<td>2028 x10</td>
<td>3448x7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20280</td>
<td>24136</td>
<td></td>
</tr>
<tr>
<td>Total Package Value(Rs)</td>
<td>92700</td>
<td>76728</td>
<td></td>
</tr>
</tbody>
</table>

Fenner PowerTran® Suitable for Heavy-Duty Applications:

- Reduce friction and heat buildup under shock load with abrasion resistant bareback (non-rubber) double-layer fabric cover.
- Oil and heat resistant chloroprene compound body, rated for 85°C, outperforms other rubbers in harsh operating conditions.
- Extend drive life that allows belt to enter the pulley groove cleanly and smoothly, reducing sidewall wear on belt and pulley.
- Minimal need for retensioning due to stronger-than-steel aramid fiber or Kevlar® tensile cords that reduce belt stretch by 50% over standard V-belts.
- Lateral rigidity for reduced vibration and belt turn-over on multi-groove pulleys.

Fenner PowerTran® Wedge belt drives have proven themselves in the toughest applications in Agriculture, Mining, Construction and Manufacturing.

Fenner PowerTran® Belt Range:
Available in lengths from 1200 mm to 16000 mm and in belt sections SPB-PT, SPC-PT, 5V-PT and 8V-PT. Also available in Banded version up to length 10400mm.

Fenner PowerTran® Belts conform to:
ISO 4184, DIN 2215 and BS 3790, they meet ISO 1813 for static conductivity and have an operating temperature range -30°C to +85°C.

**Tension Stability Study**

---

**Fenner (India) Limited**

**Corporate Office**: Khivraj Complex II, V Floor, 480, Anna Salai, Nandanam, Chennai-600 035.
Tel: 24312450 to 57, Fax: 044 - 24320193.
E-mail: pt_dhq@fennermail.com Website: www.fennerindia.com

**Registered Office**: 3, Madurai - Melakal Road, Kochadai, Madurai - 625 016.
Tel: 2383801, 2383802. Fax: 0452 -2383822.

**Branches at**: