Thomson WH SpeedLine Linear Units

Now manufactured in North America!

Thomson WH series of linear units are belt-driven, wheel-guided linear units that provide high speed and stiffness and are now manufactured in North America for shorter lead times and fast shipping.

These units are ideal for applications where throughput, multiple orientations, or multi-axis configurations are critical including:

- Packaging
- Filling and Dispensing
- Material Handling
- General Factory Automation

Sizing and Selection

Easily size and select the optimal linear unit for your specific application needs. Visit:

www.linearmotioneering.com

For immediate assistance -
Email: thomson@thomsonlinear.com
Phone: +1-540-633-3549

www.thomsonlinear.com
Linear Units with Belt Drive and Wheel Guide

**SpeedLine WH**

**Features**
- Can be installed in all directions
- Speed up to 10 m/s
- Acceleration up to 40 m/s$^2$
- Stroke up to 11 m

<table>
<thead>
<tr>
<th>Parameter</th>
<th>WH50</th>
<th>WH80</th>
<th>WH120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Profile size (width × height) [mm]</td>
<td>50 × 50</td>
<td>80 × 80</td>
<td>120 × 110</td>
</tr>
<tr>
<td>Stroke length (S max), maximum [mm]</td>
<td>3000</td>
<td>11000</td>
<td>11000</td>
</tr>
<tr>
<td>Linear speed, maximum [m/s]</td>
<td>6.5</td>
<td>10.0</td>
<td>10.0</td>
</tr>
<tr>
<td>Dynamic carriage load (Fz), maximum [N]</td>
<td>730</td>
<td>2100</td>
<td>9300</td>
</tr>
<tr>
<td>Remarks</td>
<td>external wheel guides no cover band</td>
<td>external wheel guides no cover band</td>
<td>external wheel guides no cover band</td>
</tr>
</tbody>
</table>

**WH-Series Technical Presentation**

**Belt drive**
The steel reinforced belt is wear resistant, highly efficient and very accurate even at high speeds and loads.

**Wheel guides**
The H-type arrangement of the guides allows fast moves and high forces and moments.

**Central lubrication**
The guides are lubricated from a central point that are easy and fast to access.

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