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

WH units can be in various orientations and multi-axis configurations.

WH units ensure high throughput and productivity with linear speeds up to 10 m/s.
Linear Units with Belt Drive and Wheel Guide

SpeedLine WH

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

Parameter | WH50 | WH80 | WH120
---|---|---|---
Profile size (width × height) [mm] | 50 × 50 | 80 × 80 | 120 × 110
Stroke length (S max), maximum [mm] | 3000 | 11000 | 11000
Linear speed, maximum [m/s] | 6,5 | 10,0 | 10,0
Dynamic carriage load (Fz), maximum [N] | 730 | 2100 | 9300
Remarks | external wheel guides no cover band | external wheel guides no cover band | external wheel guides no cover band
Page | 92 | 94 | 96

Features
- Can be installed in all directions
- Speed up to 10 m/s
- Acceleration up to 40 m/s²
- Stroke up to 11 m

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.

Belt tensioning
The belt can easily be replaced or re-tensioned from the outside of the unit without the load being removed from the carriage.