

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.

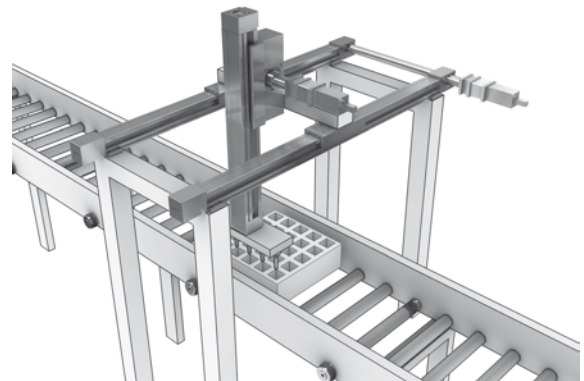
These units are ideal for applications where throughput, multiple orientations, or multi-axis configurations are critical including:

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

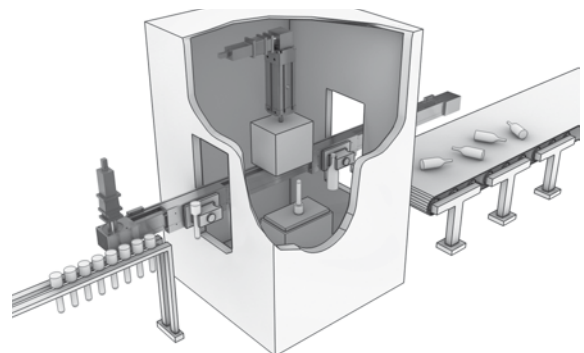
Sizing and Selection

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

www.linearmotioneering.com



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.

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

Linear Units with Belt Drive and Wheel Guide

SpeedLine WH



WH80

Features

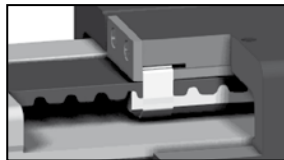
- Can be installed in all directions
- Speed up to 10 m/s
- Acceleration up to 40 m/s²
- Stroke up to 11 m

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
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WH-Series Technical Presentation

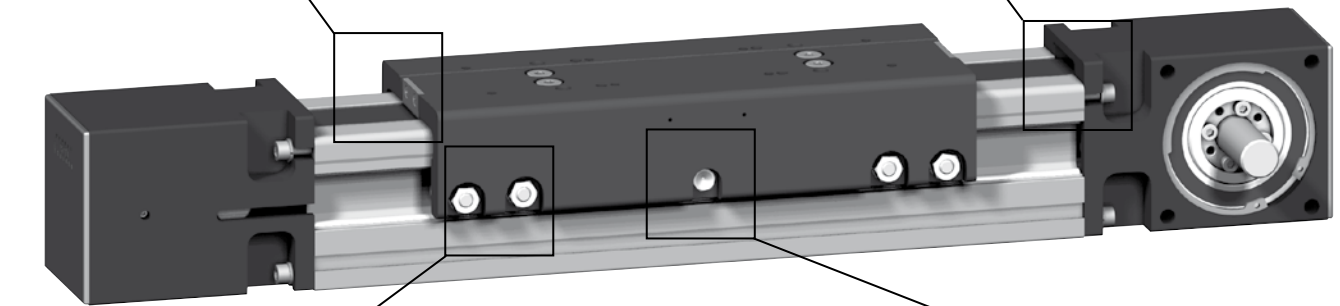
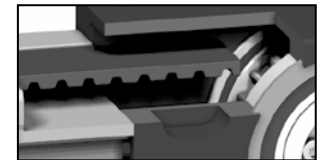
Belt tensioning

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



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.