

optibelt *OMEGA HL*

On drives with high torque and low belt speed, Optibelt OMEGA HL timing belts surpass the capacity of Optibelt OMEGA HP by up to 15%. In addition, the design was optimised so that Optibelt OMEGA HL is much more suitable for drives with shock loading. When used for new drive designs in these types of application, Optibelt OMEGA HL achieves the highest possible functional reliability in combination with an optimum efficiency.

Advantages

- High power timing belt for extremely high loads over the total range of speeds
- Suitable for high torques
- Highest possible precision, exact synchronicity
- Optimised absorption of shock loading
- Quiet running due to optimised tooth shape
- System cost savings due to a reduction of the drive volume
- Maintenance-free
- Temperature-resistant from $-30\text{ }^{\circ}\text{C}$ to $+100\text{ }^{\circ}\text{C}$
- Up to 2.5 times the power transmission capability of Optibelt OMEGA
- Lower bearing load
- Optimised wear behaviour

Examples of Applications

- Machine drives
- Replacement of chains, depending on the application
- Conveyor systems
- Lumber mills and the paper industry
- Textile machinery
- Garden machinery



Profiles:

8M HL; 14M HL
further sections on request

Dimensions:

288 to 4578 mm

Timing pulleys:

Optibelt OMEGA HL timing belts do not require any special pulleys. The section is tailored to the standard HTD[®] and RPP[®] pulleys.