

POWER TRANSMISSION optibelt OMEGA High Load



PERFECT FOR THE HIGHEST DEMANDS

OPERATIONAL RELIABILITY: LONGER SERVICE LIFE WITH SHOCK-LOADED DRIVES

Dynamic tests with **optibelt OMEGA High Load** timing belts show an up to 30% increase in performance compared with **optibelt OMEGA High Power**.



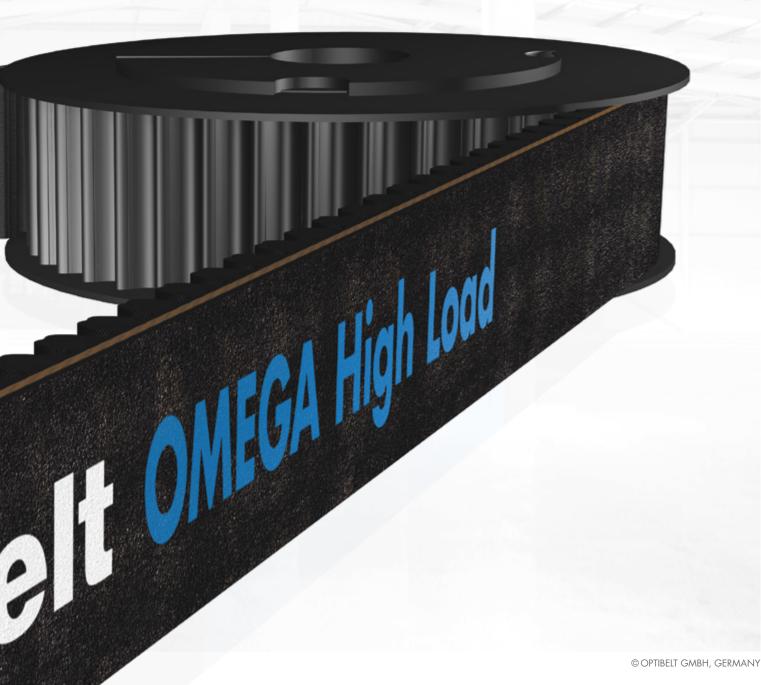
QUIET RUNNING: LESS NOISE THANKS TO FURTHER DEVELOPMENT

The optimised tooth shape and the indent in the tooth head of the **optibelt OMEGA High Load** timing belt significantly reduce noise levels. In combination with the specially developed materials, it is possible to reduce noise levels further, even at high rotational speeds and with high pre-tension.

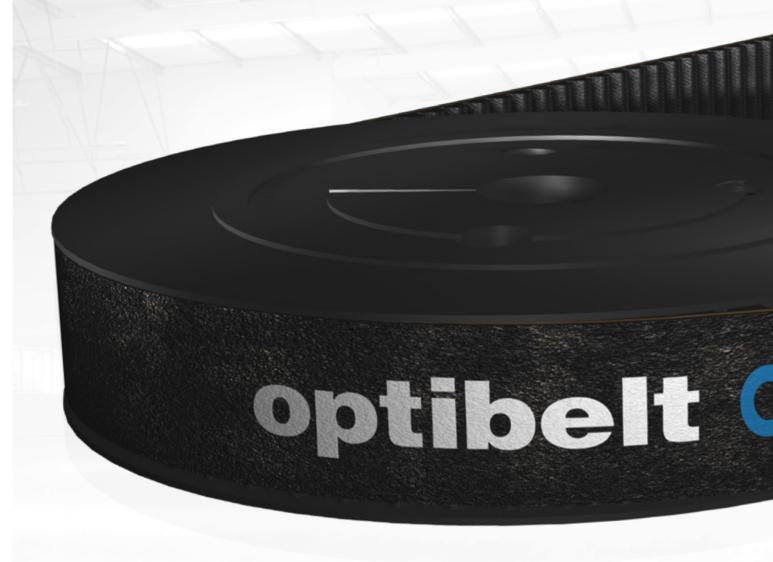


REDUCED NOISE LEVEL

Lower noise emissions thanks to optimised tooth shape with comparable width and profile



PERFECT FOR SHOCK LOADING





TEMPERATURE DESISTANCE

Temperature resistance range: -30 °C to +100 °C

ELECTRICAL CONDUCTIVITY: SAFE WITH NO IGNITION HAZARDS

The electrical conductivity of the **optibelt OMEGA High Load** timing belt enables electrostatic charges to be safely discharged. In timing belts with insufficient electrical conductivity, these charges can be so high that sparking causes a risk of ignition.



OPTIMUM POWER TRANSMISSION

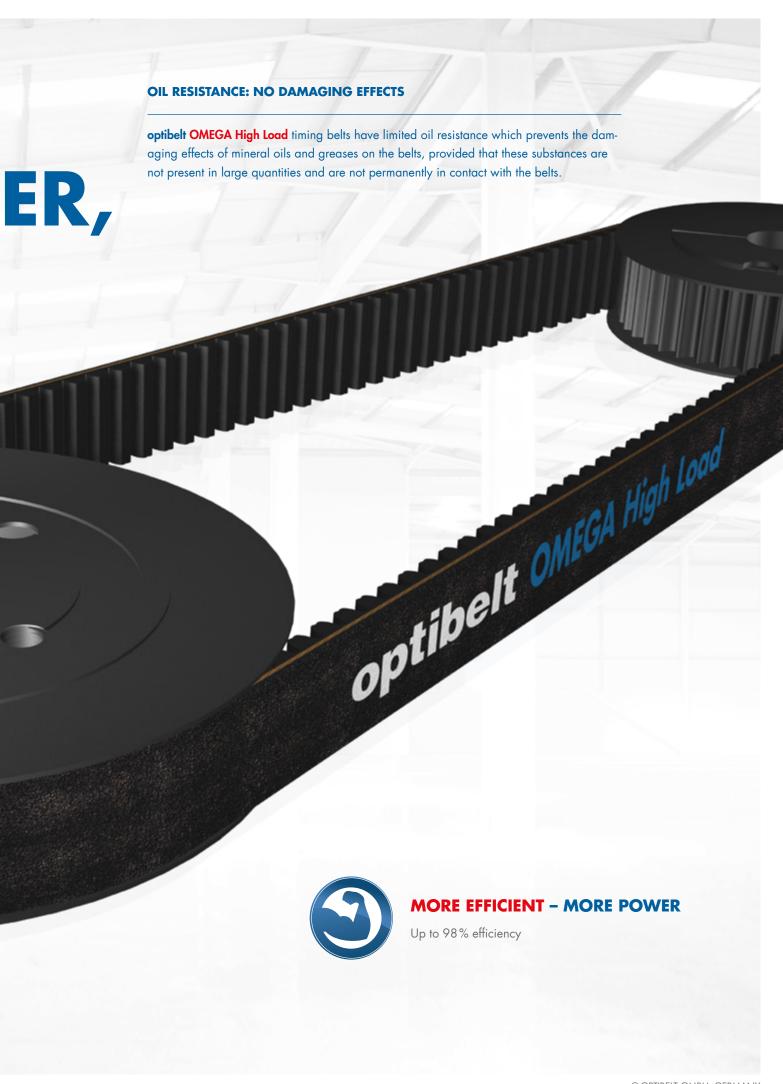
The **optibelt OMEGA High Load** timing belts offer optimum power transmission within a temperature range of -30 °C to +100 °C without any early ageing or embrittlement and thus without drive failures.

HIGHER LOAD CAPACITY, STRONG MORE COMPACT



HIGHER EFFICIENCY: PRACTICALLY FRICTION-FREE DRIVE

The specially developed tooth fabric of **optibelt OMEGA High Load** timing belts and the flexible belt design result in virtually friction-free belt drives.



PERFECT FOR SHOCK LOADED DRIVES

TOP SURFACE

The flexible polychloroprene rubber compound with a high proportion of aramid fibre reinforces the belt top and protects against external influences.

FABRIC

The fabric protects against early wear and reduces the noise level.

TEETH

The novel rubber compound guarantees high shear strength and improves performance.

TENSION CORD

Reinforced fibreglass tension cord with enhanced breaking strength and high resistance to shock loads



IDEAL FOR MACHINE DRIVES

- Textile machines
- Machine tools
- Compressors
- Printing machines
- Wood processing machines
- Paper machines

PROFILES	
8M 14M	288–3600 mm 966–4578 mm
S8M	560–2600 mm

Other size available on request



TIMING BELT PULLEYS

Standard HTD pulleys available from stock; special pulleys and STD timing belt pulleys on request.

See product list for profiles and versions.



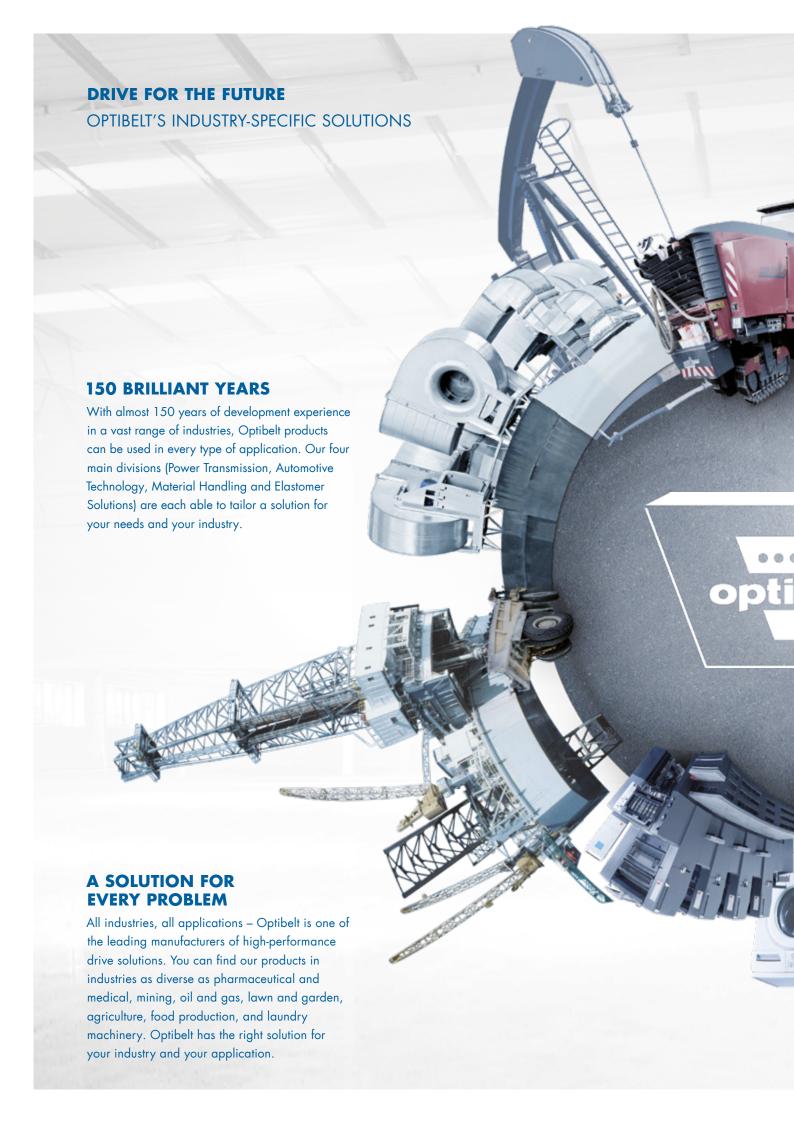
PROFILE REPRESENTATION

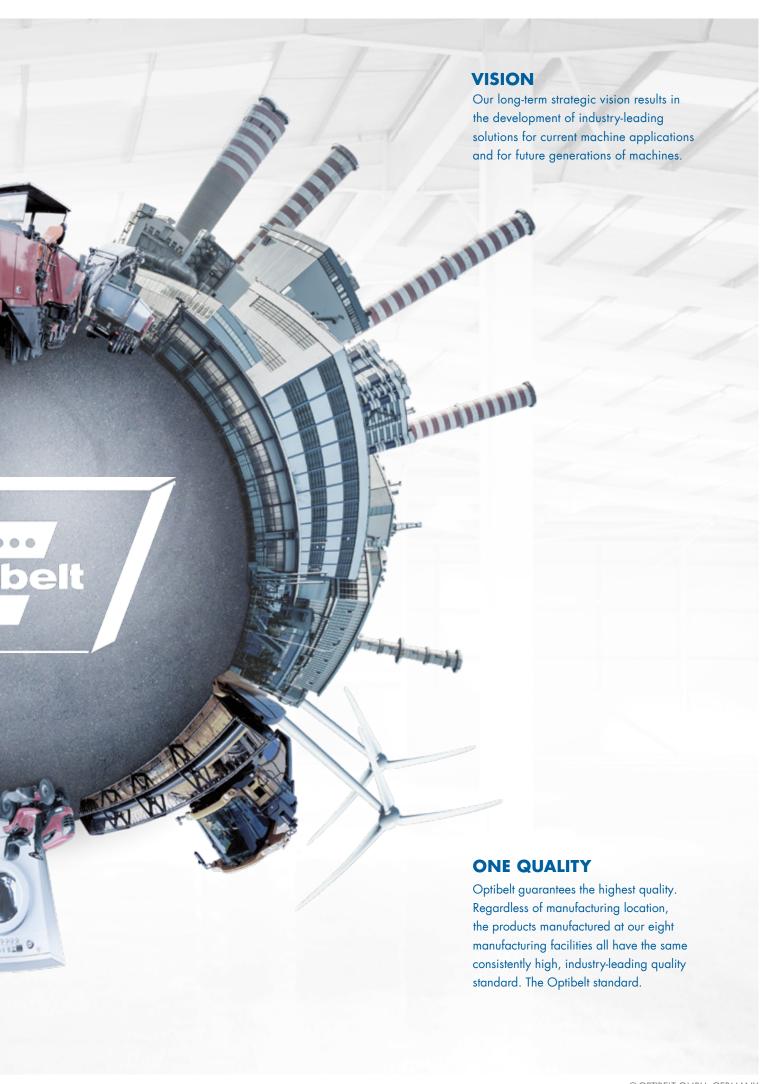


Optibelt profile



STD profile





Optibelt GmbH

Corveyer Allee 15 37671 Höxter **T** +49 5271 621 **F** +49 5271 976200

Germany

E info@optibelt.com



