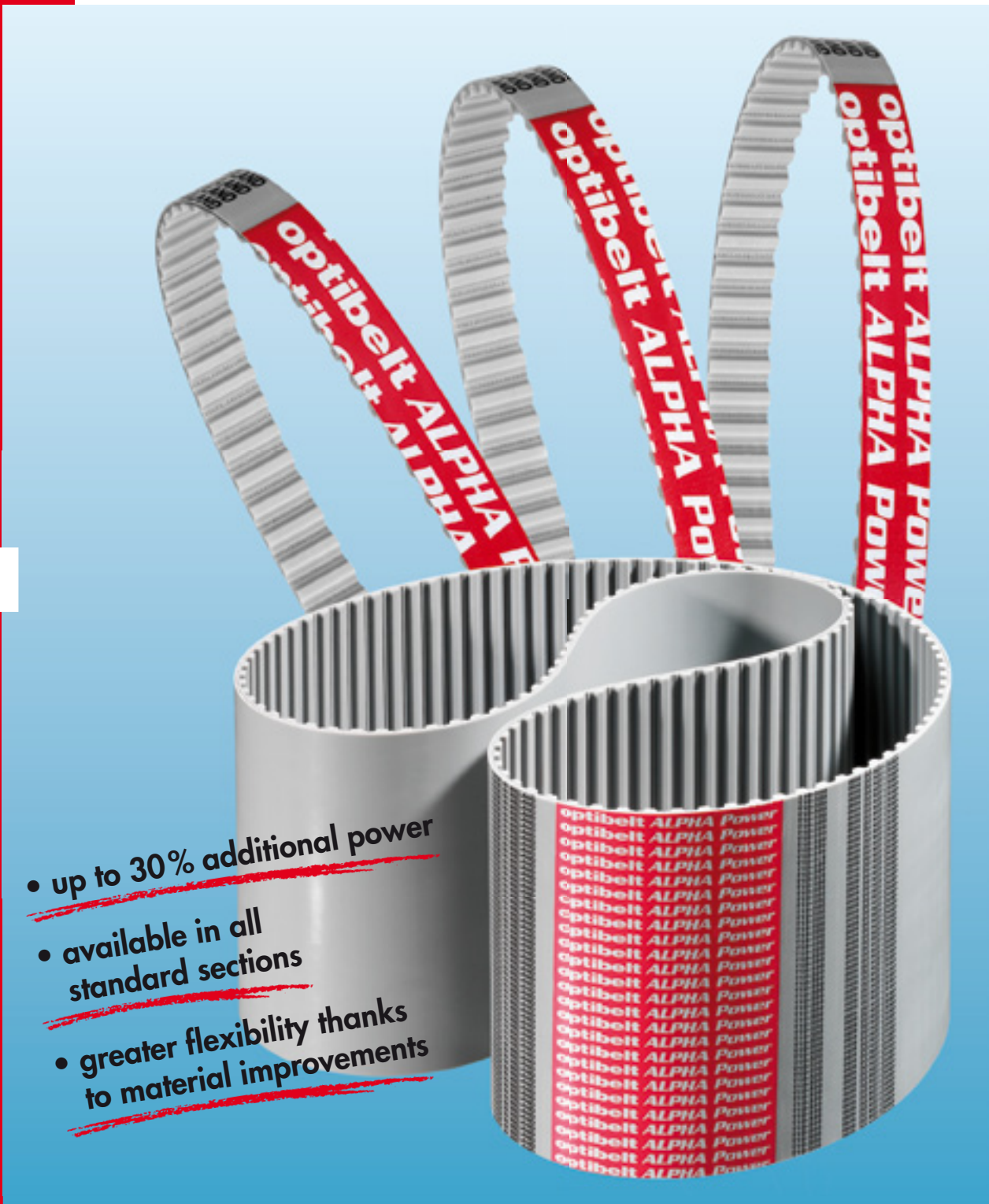


www.optibelt.com
optibelt

Products & Applications

ALPHA Power

High Performance Timing Belts



- **up to 30% additional power**
- **available in all standard sections**
- **greater flexibility thanks to material improvements**



Drive solutions with Optibelt

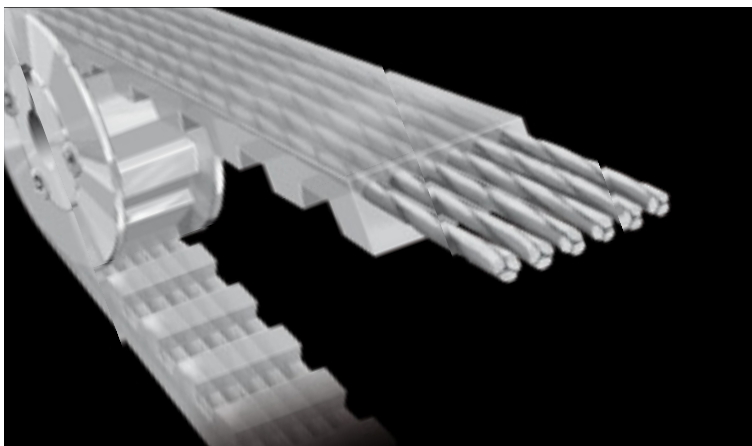
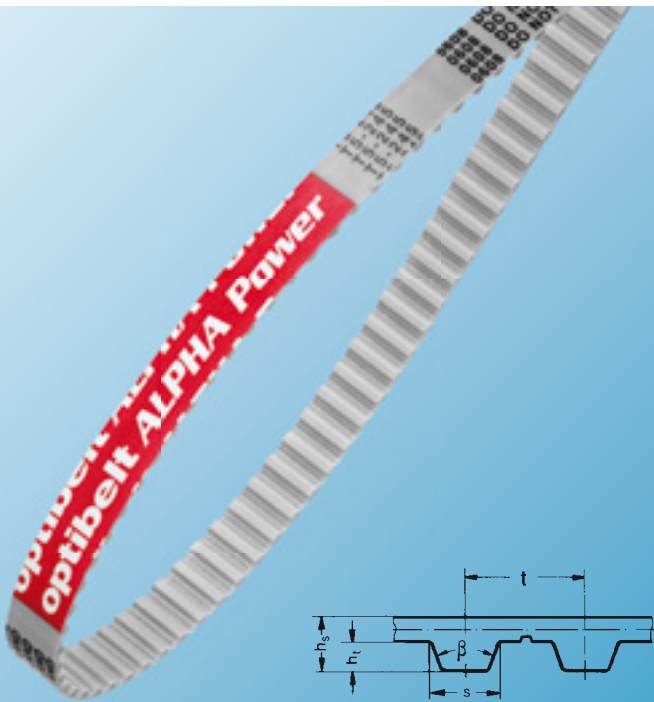
optibelt *ALPHA Power* High performance polyurethane timing belts

The powerful Optibelt **ALPHA Power** timing belts are the result of consistent further developments. The versatile experiences with the ALPHA standard timing belts have been implemented in this belt generation. With new, more resistant and more durable polyurethane compounds, this generation possesses an increase in power of up to 30 % in comparison with the previous standard belts.

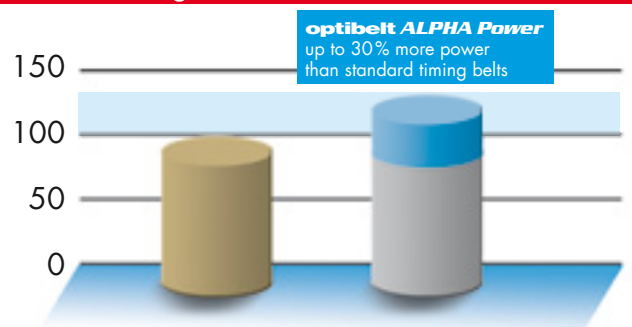
The Optibelt **ALPHA Power** permits more compact drive solutions that help cut costs when purchasing new belts and pulleys. The optimized interplay of the polyurethane and steel cord components guarantees the Optibelt **ALPHA Power** an extremely economical solution for a wide range of applications.

Further characteristics:

- Thanks to the improved material quality, the hardness could remain at approx. 87 Shore A, meaning that the previous high level of flexibility of the proven Optibelt ALPHA remains intact.
- Thanks to new materials, the Optibelt **ALPHA Power** possesses an improved UV stability. The UV rays do not generate any "penetration".
- The belts possess an improved resistance to hydrolysis. High levels of air moisture and direct contact with water can be resisted in an improved manner.
- The long-term stability of the belt has been substantially increased. This means that the belt tension remains at an almost constant level over the running time. Tensile strength reduction over time is minimal.



Power comparison in % Standard timing belts - **optibelt ALPHA Power**



Standard timing belts **optibelt ALPHA Power**

Advantages:

- Higher power transfer – up to 30 % in comparison with conventional standard polyurethane timing belts
- Longer operational life thanks to optimised materials
- High level of flexibility thanks to optimised materials
- Runs in all conventional standard timing pulleys

Sections:

The Optibelt **ALPHA Power** high performance timing belt is produced in the following sections: T2.5; T5; T10; AT5; AT10 as well as double tooth sections.

Section	t (mm)	h _t (mm)	h _s (mm)	s (mm)	β
T2.5	2.5	0.70	1.30	1.50	40°
T5	5.0	1.20	2.20	2.65	40°
T10	10.0	2.50	4.50	5.30	40°
AT5	5.0	1.20	2.70	2.50	25°
AT10	10.0	2.50	5.00	5.00	25°
DT5	5.0	1.20	3.40	2.65	40°
DT10	10.0	2.50	7.00	5.30	40°



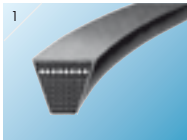
optibelt ALPHA Power:
Your number 1 for constructive drive solutions



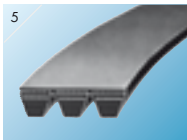
Lieferprogramm Product Range



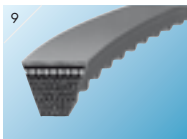
1 **optibelt RED POWER II**
5 **optibelt KB RED POWER II**
Hochleistungs-Schmalkeilriemen,
wartungsfrei
*High performance wedge belts,
maintenance-free*



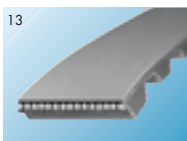
2 **optibelt BLUE POWER**
6 **optibelt KB BLUE POWER**
Hochleistungs-Schmalkeilriemen
High performance wedge belts



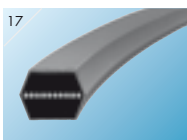
3 **optibelt SK**
7 **optibelt KB SK**
Schmalkeilriemen
Wedge belts



4 **optibelt VB**
8 **optibelt KB VB**
Klassische Keilriemen
Classical V-belts



9 **optibelt Super X-POWER M-S**
Keilriemen, flankenoffen,
formgezahnt
*V-belts, raw edge,
moulded cogged*



10 **optibelt Super KBX-POWER**
Kraftbänder, flankenoffen
Kraftbands, raw edge



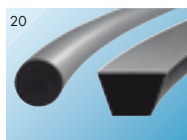
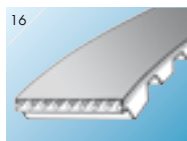
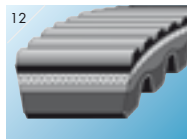
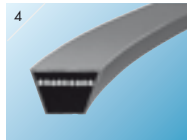
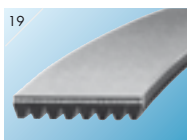
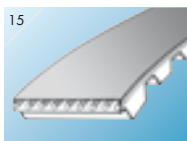
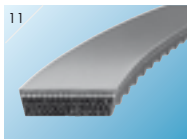
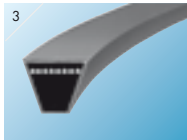
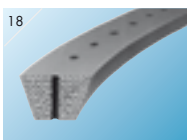
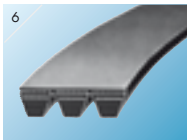
11 **optibelt SUPER VX**
Breitkeilriemen, flankenoffen,
formgezahnt
*Variable speed belts,
raw edge, moulded cogged*



12 **optibelt SUPER DVX**
Doppel-Breitkeilriemen,
flankenoffen, formgezahnt
*Double section variable speed belts,
raw edge, moulded cogged*



13 **optibelt ZR**
14 **optibelt ZR linear**
Zahnriemen aus Chloropren
Chloroprene timing belts



14 **optibelt OMEGA HL**
optibelt OMEGA HP
optibelt OMEGA FanPower
optibelt OMEGA linear
Zahnriemen aus Chloropren
Chloroprene timing belts

15 **optibelt ALPHA Power**
16 **optibelt ALPHA linear / V**
optibelt ALPHAflex
Zahnriemen aus Polyurethan
Polyurethane timing belts

17 **optibelt DK**
Doppelkeilriemen
Double section V-belts

18 **optimat DE**
Endliche Keilriemen
DIN 2216, gelocht
*Open-ended V-beltting,
punched*

19 **optibelt RB**
Rippenbänder
Ribbed belts

20 **optibelt RR / RR PLUS**
Kunststoffrundriemen
Plastic round section beltting

20 **optibelt KK**
Kunststoffkeilriemen
Plastic V-beltting

21 **optibelt KS**
Keiltrillenscheiben
V-grooved pulleys

22 **optibelt ZR5**
Zahnriemenscheiben
Timing belt pulleys

23 **optibelt RB5**
Rippenbandscheiben
Ribbed belt pulleys

24 **optibelt SERVICE KIT**