

FOR ASPHALT

OPTIBELT SUCCESS STORY OPTIMAL PERFORMANCE UNDER EXTREME CONDITIONS

The industrial group Atlas Copco had been experiencing continued problems, at its Indian subsidiary, with its range of plate compactors. The belts used there could not cope with the harsh demands of road construction, and excessive wear resulted in costly machinery downtime. Since switching over to **optibelt SUPER E-POWER** high performance V-belts, the plate compactors work more precisely and efficiently.

The significantly longer service life of the **optibelt SUPER E-POWER** has also brought about a sustainable reduction in costs.



OPTIBELT SUCCESS STORY RELIABLE USE ON HIGHWAYS IN THE USA

For 15 years, the group Astec Industries has been producing, among other things, patented road milling machines for road construction whose special requirements have caused failure of V-belts again and again. After performing calculations and field tests under the most extreme of conditions, OPTIBELT application engineers suggested using special OPTIBELT knifiboards with aramid cord.

Changing over to **optibelt BLUE POWER** high performance belts guarantees that road milling machines will work at a smooth rhythm.

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THE OPTIBELT TEAM FOR DEVELOPMENT, APPLICATIONS AND SERVICE



SOFTWARE TOOLS AND SPECIALIST CONSULTING

OPTIBELT's free CAP software allows users to quickly and easily calculate their specific drives. For more complex drive systems, CAP Professional gives users the ability to perform detailed variable calculations. CAP's efficiency calculator will also compare available drives with those already optimised.

OPTIBELT application engineers are always available to provide advice to customer's operations around the world. They can assist in optimising the drives for entire plant operations.



SERVICE SUPPORT

To make sure that all machines run reliably, OPTIBELT also offers personal support in drive assembly, maintenance and service on site around the world. OPTIBELT's broad range of tools, measuring devices and service tools allow for easy drive optimisation, maintenance and repair.



OPTIBELT CUSTOM PRODUCTS

OPTIBELT offers custom high performance products for all applications. Customised products are designed to precisely meet customer's drive application requirements. OPTIBELT engineers develop tailored drive solutions for superior efficiency and safety.

OPTIBELT GmbH
Corveyer Allee 15
37671 Haver
GERMANY
T +49 (0) 52 71 - 6 21
F +49 (0) 52 71 - 97 62 00
E info@optibelt.com



www.optibelt.com

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POWER TRANSMISSION ROAD CONSTRUCTION



SPECIALISTS

"So it holds
together well."

Norbert, 42, Foreman



USED WORLDWIDE

As a strong partner in the road construction industry, OPTIBELT not only understands the demands and requirements with regard to drive solutions, but sets new standards in the field. Our drive belts run absolutely reliably during any type of weather with a maximum level of power transmission. It is not without reason that the high performance belts by OPTIBELT are used worldwide.

optibelt RED POWER 3

HIGH PERFORMANCE WEDGE BELTS AND KRAFTBANDS



DIMENSIONS	
SPZ	1202–3550 mm
SFA	1207–4000 mm
SPB	1250–8000 mm
SPC	2000–10000 mm
3V/9N	47.5–140 inches
5V/15N	53–315 inches
8V/25N	100–475 inches

- ADVANTAGES AND CHARACTERISTICS**
- up to 50 % higher performance
 - maintenance-free, optimal tension during entire life span
 - smooth interplay:
 - belts – edge – V-grooved pulleys
 - suitable for idler pulleys
 - V-belts in reliable S=C Plus quality



Other profiles + dimensions on request



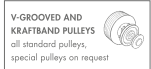
optibelt BLUE POWER

HIGH PERFORMANCE WEDGE BELTS AND KRAFTBANDS



DIMENSIONS	
SPB	1500–8000 mm
SPC	2000–9000 mm
5V/15I	60–315 inches
8V/25N	160–355 inches

- ADVANTAGES AND CHARACTERISTICS**
- compact construction with a favourable cost in comparison to drives with conventional wedge belts possible
 - approx. 100% more performance with respect to OPTIBELT standard wedge belts
 - temperature resistance up to 100 °C, highly resistant to the effects of chemicals
 - suitable for idler pulleys



Other profiles + dimensions on request

optibelt SUPER E-POWER M=S

HIGH PERFORMANCE WEDGE BELTS



DIMENSIONS	
XPZ	587–3550 mm
XPA	707–3550 mm
XPB	1250–3550 mm
XPC	2000–3550 mm
3VX/9NX	25–140 inches
5VX/15NX	50–140 inches

- ADVANTAGES AND CHARACTERISTICS**
- minimised loss of pretensioning force
 - M=S Matched Sets, can be installed without measuring
 - temperature resistant from –40 °C to +120 °C



Other profiles + dimensions on request

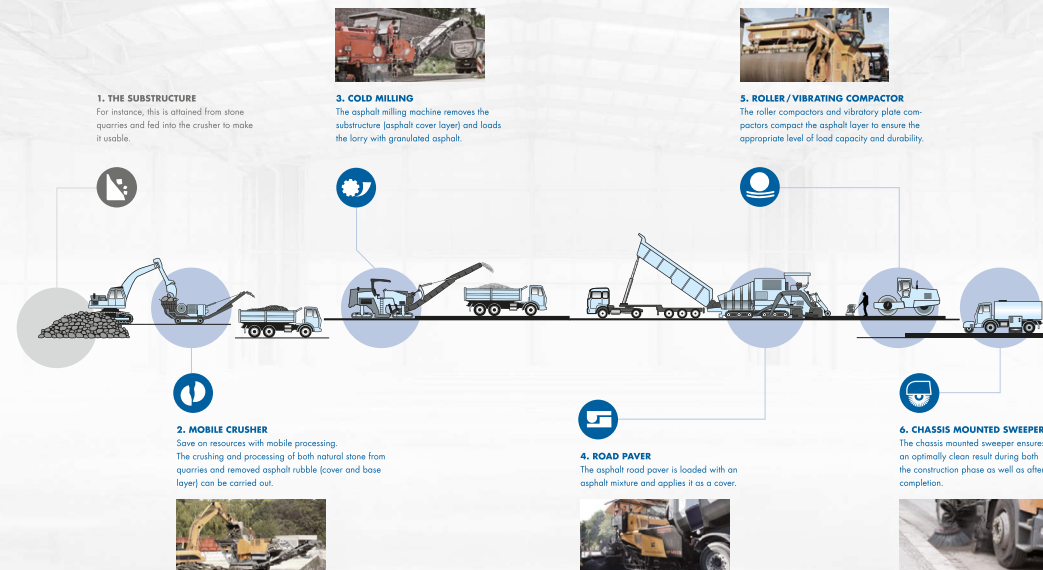


TEAMPLAYER

In road construction, one V-belt affects the other.



Road construction of the 21st century is more demanding than ever and the equipment must be able to face any type of situation despite this growing set of requirements. In this connection, a trouble-free production flow and a minimised level of maintenance effort is extremely important. This is where OPTIBELT solutions come into play due to the fact our professional drive belts are not only suitable for the harshest of conditions but are also true heavyweights.



optibelt SUPER X-POWER

HIGH PERFORMANCE WEDGE BELTS AND KRAFTBANDS



DIMENSIONS	
XPZ	587–3550 mm
XPA	707–3550 mm
XPB	1250–3550 mm
XPC	2000–3550 mm
3VX/9NX	25–140 inches
5VX/15NX	50–140 inches

- ADVANTAGES AND CHARACTERISTICS**
- highest level of performance, extremely low stretch
 - optimised running characteristics
 - excellent resistance against oil and heat
 - low level of maintenance
 - V-belts in the tried and tested M=S quality



Other profiles + dimensions on request

optibelt VB

CLASSIC V-BELTS AND KRAFTBANDS



DIMENSIONS	
A/13	437–5030 mm
B/19	610–7140 mm
C/22	1148–8038 mm
D/32	2075–11275 mm
E/40	3080–12580 mm

- ADVANTAGES AND CHARACTERISTICS**
- excellent level of operational reliability
 - optimal running characteristics
 - abrasion resistant cover fabric
 - special drives are feasible, such as V-Rat drives
 - variety of special constructions
 - V-belts in reliable S=C Plus quality



Other profiles + dimensions on request

optibelt SK

HIGH PERFORMANCE WEDGE BELTS AND KRAFTBANDS



DIMENSIONS	
SPZ	487–3550 mm
SFA	732–4500 mm
SPB	1250–8000 mm
SPC	2000–12500 mm
3V/9N	25–140 inches
5V/15N	53–355 inches
8V/25N	100–500 inches

- ADVANTAGES AND CHARACTERISTICS**
- wrapped wedge belts with abrasion resistant cover fabric
 - up to 97 % efficiency
 - variety of special constructions
 - high level of power transmission
 - V-belts in reliable S=C Plus quality



Other profiles + dimensions on request