



HEAVY INDUSTRY  
**POWERFUL  
DRIVES**

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# POWERFUL SOLUTIONS FOR



## ENDLESS

CEMENT MIXERS  
CRANES  
ROAD PAVERS  
CONVEYORS

## APPLICATIONS

VENT FANS  
AIR HANDLERS  
EVAP. UNITS  
PRESSES  
DRYERS



## ENGINEERING SUPPORT & ON-SITE CONSULTATION

Optibelt can assist your operations with a full site review, expert engineering services, and custom-manufactured products.

# MEET S=C PLUS



**S=C PLUS** or Set-Constant is Optibelt's unique technology that ensures every S=C PLUS labeled V-belt is much closer to equal lengths than any matched set, **regardless of the date manufactured.**



## TRADITIONALLY

Most manufacturers use a step-cure process that can cause overlapping sections and performance issues. On the other hand, Optibelt's rotary vulcanization continuously rotates the belt during curing to ensure consistent quality and performance.

## S=C PLUS TECHNOLOGY

Rotary vulcanization creates smooth sidewalls for better sheave contact. For V-belts 47" and above, no molds are required. This process ensures consistent curing, improving performance and durability.

## RESULTS



### COST-SAVING

Lower maintenance, energy & storage costs



### CONSISTENT POWER DELIVERY

Reduces drive stress & boosts production



### SET-CONSTANT

Can be used in sets without measurement

## S=C PLUS LENGTH TOLERANCES

Industry-standard length tolerances for a C144 V-belt will vary + or - 7/8 in., while Optibelt Set-Constant (S=C PLUS) tolerances vary only + or - 1/8 in. or less.

\*Length Range 90-158 in.



**FIND S=C PLUS PRODUCTS »**

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# optibelt

## RED POWER 3

High performance wedge belt



### MORE EFFICIENCY – MORE POWER

Up to 97% efficiency.



### HIGHER PERFORMANCE

Up to 50% higher power transmission capacity compared to conventional standard V-belts.



### HIGH TEMPERATURE RESISTANCE

Resistant from –22 °F to +212 °F



### MAINTENANCE-FREE

No maintenance intervals are required during the entire lifetime.



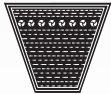
### PROFILES/SIZES V-BELTS

SPZ	1202	–	3550 mm
SPA	1207	–	4500 mm
SPB	1250	–	8000 mm
SPC	2000	–	10000 mm
3V	47.5	–	140 in.
5V	50	–	315 in.
8V	100	–	600 in.

\*Certain sizes may not be available as S=C PLUS. Please contact our team to confirm availability.

### optibelt RED POWER 3

Construction in cross section



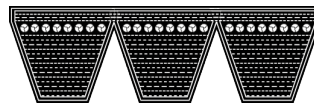
### PROFILES/SIZES KRAFTBANDS

SPB KB	2000	–	8000 mm
SPC KB	3000	–	10000 mm
3V KB	50	–	140 in.
5V KB	50	–	315 in.
8V KB	100	–	475 in.

Further dimensions available on request.

### optibelt RED POWER 3

Construction in cross section



## NEW LABEL

## SAME QUALITY



QR CODE



ICONS



EAN CODE



TRACING

### V-GROOVED PULLEYS

SPZ - SPC pulleys for finished bore or optibelt taper bush available. Special pulleys on request.



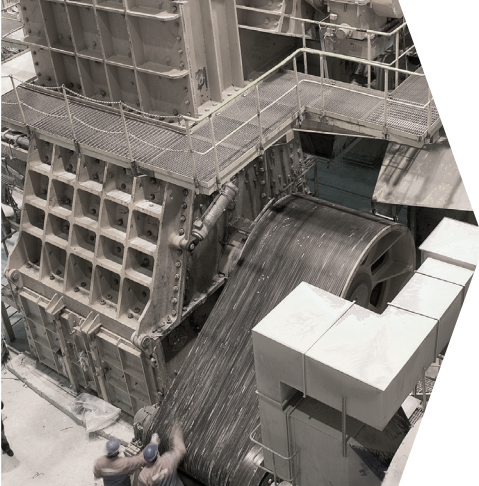
# SUCCESS STORIES

## INDUSTRY

» MINE & AGGREGATE

## APPLICATION

» STONE CRUSHER



## PROBLEM

A large stone crusher in Slite, Sweden, producing over 2,000 tons per hour, required 64 single V-belts to operate efficiently. Inconsistent belt lengths caused performance issues and increased maintenance.

## SOLUTION

64 single 8V/5230

**optibelt RED POWER 3**

## RESULT

- Unified power distribution across all 64 V-belts with S=C PLUS tolerances
- Increased durability and power capacity
- Reduced maintenance and improved operational efficiency

## INDUSTRY

» POWER GENERATION

## APPLICATION

» STACK SCRUBBER



## PROBLEM

A coal-fired power plant's stack scrubber pumps used 8 V-belts that required frequent re-tensioning and lasted only 6-9 months, leading to shutdowns and lower production rates.

## SOLUTION

8 sets of 8V 1700

**optibelt RED POWER 3**

## RESULT

- Eliminated re-tensioning maintenance
- Increased belt lifespan to over 2 years
- Prevented 9 maintenance shutdowns and 3 replacement shutdowns
- Standardized all 22 scrubber units with RED POWER

# optibelt BLUE POWER

High performance wedge belt with aramid cord



#### ENGINEERED FOR **DEMANDING DRIVES**

Transverse fiber rubber boosts efficiency, absorbs stress, and improves heat dissipation.



#### **2X** POWER CAPACITY

Aramid cord delivers twice the power capacity of standard V-belts.



#### **HIGH** TEMPERATURE RESISTANCE

Resistant from  $-22^{\circ}\text{F}$  to  $+212^{\circ}\text{F}$



#### INCREASED **GRIP STRENGTH**

Dual wrap construction boosts both grip strength and durability.

## PROFILES/SIZES KRAFTBANDS

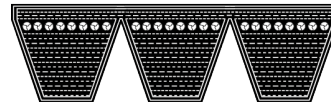
5V                      80      –    315 in.

8V                      100     –    475 in.

Further dimensions available on request.

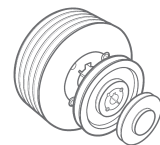
### optibelt **BLUE POWER**

Construction in cross section



#### **V-GROOVED PULLEYS**

SPZ - SPC pulleys for finished bore or optibelt taper bush available. Special pulleys on request.



# SUCCESS STORIES

## INDUSTRY

» OIL AND NATURAL GAS

## APPLICATION

» MUD PUMPS



## PROBLEM

An offshore drilling operator faced frequent shutdowns due to belt slippage on their mud pump at depths exceeding 16,000 feet. Their existing 5/8V1800 banded V-belts struggled to maintain grip, leading to costly downtime.

## SOLUTION

2 sets of 5/8V 1800

**optibelt BLUE POWER**

## RESULT

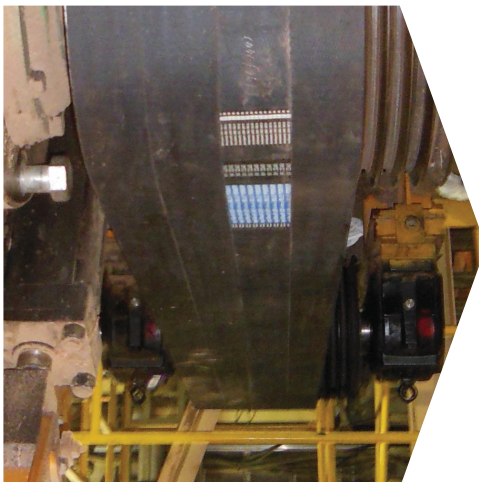
- Eliminated belt slippage, improving uptime
- Withstood high shock loads without failure
- Ensured reliable power transmission at extreme depths
- Reduced maintenance and downtime

## INDUSTRY

» LUMBER & PAPER MILL

## APPLICATION

» DEBARKER



## PROBLEM

A lumber and paper mill's debarker drive, running at 650–800 HP and 1200 RPM, experienced frequent slippage failures due to inconsistent banded V-belt lengths.

## SOLUTION

4 pieces of 3/8V2240

**optibelt BLUE POWER**

## RESULT

- Eliminated slippage issues
- Reduced belt count from 5 to 4, improving efficiency
- Increased drive service factor to over 2.3

# optibelt VB/SK

## Classic V-belt and wedge belt

VB Classical and SK Standard & Metric V-belts are Optibelt's performance standard.

The combination of superior engineered materials, manufacturing processes, and S=C PLUS length tolerances is what makes them far more reliable to industry standards.



### PROFILES/SIZES V-BELTS



A	47	–	180 in.
B	47	–	360 in.
3V	47.5	–	140 in.
5V	50	–	355 in.
8V	100	–	600 in.
SPZ	1202	–	3550 mm
SPA	1207	–	4500 mm
SPB	1250	–	8000 mm
SPC	2000	–	12500 mm

\*Certain sizes may not be available as S=C PLUS. Please contact our team to confirm availability.

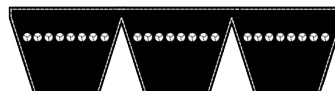


**optibelt VB/SK**  
Construction in cross section

### PROFILES/SIZES KRAFTBANDS

B	48	–	315 in.
3V	45	–	140 in.
5V	50	–	355 in.
8V	100	–	600 in.
SPZ	1250	–	3550 mm
SPA	1250	–	4500 mm
SPB	2000	–	8000 mm
SPC	3000	–	10000 mm

Further dimensions available on request.



**optibelt VB/SK KB**  
Construction in cross section

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