

# PRODUCT RANGE



# HIGH-TECH MACHINERY REQUIRES HIGH-TECH DRIVE TECHNOLOGY.

Since 1948 the OPTIBELT company has been manufacturing a wide variety of drive belts, drawing on more than a century of experience of working with rubber.

Constant investment in materials research and production technology as well as growing knowledge about the constraints associated with various uses have pushed the boundaries of machine capacity to new limits thanks to further development of the belt into a high-tech drive system.

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**OPTIKRIK 0, 1, 11, 111 MEASURING GAUGE** LASER POINTER II

**AUTOMOTIVE TECHNOLOGY DRIVE BELTS FOR** 

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**OVERVIEW OF OUR PRODUCTS** 



From Page 64

**SERVICE TOOLS** 

PROFESSIONAL TOOLS FOR INSTALLATION AND MAINTENANCE

# OPTIBELT POWER TRANSMISSION

OPTIBELT offers the highest technological quality in the form of customized drive solutions and industry specific products.

More than 10,000 of these can be delivered to anywhere in the world within 24 hours

From extremely large to extremely small: OPTIBELT supplies V-belts, timing belts, ribbed belts, kraftbands and tailored products for every application, whether in oil production facilities, fans or sewing machines.

We have the right solution for every application, such as our maintenance-free **optibelt RED POWER 3** V-belts with best quality, guaranteed reliability and maintenance-free operation. To keep your machinery running when it needs to.



© ARNTZ OPTIBELT GROUP, GERMANY



#### **DIMENSIONS**

SPZ 1202-3550 mm SPA 1207-4000 mm

SPB 1250-8000 mm

SPC 2000-10 000 mm

3V/9N 47.5-140 inch

5V / 15N 53-315 inch

8V/25N 100-475 inch

Further sizes upon request

#### **HIGH PERFORMANCE WEDGE BELTS**

maintenance-free in accordance with DIN 7753 Part 1, ISO 4184 and RMA/MPTA



all standard pulleys, special pulleys on request









# **RED POWER 3 Classic** S=C Plus

#### **HIGH PERFORMANCE V-BELTS**

maintenance-free in accordance with DIN 2215/ISO 4184, available on request

#### **DIMENSIONS**

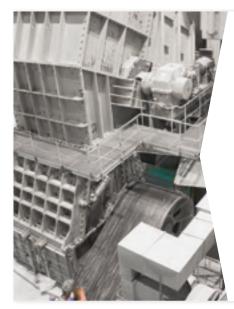
A/13 1320-4000 mm B/17 1320-4000 mm

C/22 1320-4000 mm

Further sizes upon request

**V-GROOVED PULLEYS** all standard pulleys,





**OPTIBELT SUCCESS STORY** 

## METSO MINERALS – BEST BELT FOUND

Metso Minerals produces systems and machinery in 50 production facilities around the world and has sales centres in more than 100 countries.

"optibelt RED POWER 3 products," says Tero Majuri, development engineer at Metso Minerals, "are the first choice when it comes to finding the right belt." Since breaking up and crushing calls for powerful drives then equally high-quality belts are needed too. "We have found the RED POWER 3 from OPTIBELT to be the best belts for our new generation of impact and jaw crushers."



#### **HIGH PERFORMANCE WEDGE BELTS**

with aramid cord
DIN 7753 Part 1, ISO 4184 and RMA/MPTA

#### **DIMENSIONS**

SPB 1500-8000 mm SPC 2000-9000 mm 8V/25N 160-355 inch

Further sizes upon request

V-GROOVED PULLEYS
all standard pulleys,
special pulleys on request



#### **WEDGE BELTS**

DIN 7753 Part 1, ISO 4184 and RMA/MPTA

#### **DIMENSIONS**

SPZ 487-3550 mm

SPA 732-4500 mm

SPB 1250-8000 mm

SPC 2000-12 500 mm

3V/9N 25-140 inch

5V / 15N 53 - 355 inch

8V/25N 100-500 inch

Further sizes upon request

V-GROOVED PULLEYS
all standard pulleys,
special pulleys on request







# CLASSIC V-BELTS DIN 2215/ISO 4184

#### **DIMENSIONS**

5 200-610 mm

Y/6 295-865 mm

8 335-1270 mm

Z/10 312-2522 mm

A/13 437-5030 mm

B/17 610-7140 mm

20 950-6050 mm

C/22 1148-8058 mm

25 1460-9060 mm

D/32 2075-11 275 mm E/40 3080-12 580 mm

Further sizes upon request





**V-GROOVED PULLEYS** 

all standard pulleys, special pulleys on request



#### HIGH PERFORMANCE KRAFTBANDS

maintenance-free

#### **DIMENSIONS**

SPB 2000-8000 mm SPC 3000-10000 mm 3V/9J 50-140 inch 5V/15J 56-315 inch 8V/25J 100-475 inch

KRAFTBAND PULLEYS

all standard pulleys, special pulleys on request





#### **DIMENSIONS**

B 1320-4000 mm

Further sizes upon request

KRAFTBAND PULLEYS
all standard pulleys,
special pulleys on request

#### **HIGH PERFORMANCE KRAFTBANDS**

maintenance-free





#### **HIGH PERFORMANCE KRAFTBANDS**

with aramid cord

#### **DIMENSIONS**

SPB 2000-8000 mm SPC 3000-10 000 mm 5V / 15J 80-315 inch 8V / 25J 100-475 inch



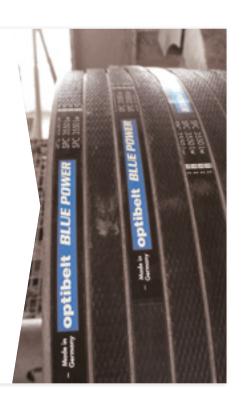
#### **OPTIBELT SUCCESS STORY**

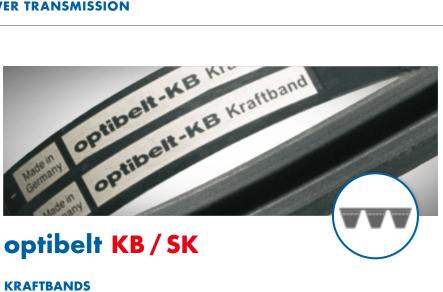
# AUSTRALIAN ORE MINE OPERATOR TRUSTS GERMAN QUALITY

The belts in the circulation pumps in a remote iron ore mine in Australia needed be replaced every 8-10 weeks, generating enormous downtime.

After a general refurbishment and the installation of **optibelt BLUE POWER** high performance V-belts the number of belts and pulleys could be reduced from 14 to eight. Material cost savings and a significant reduction of downtime generated higher profitability for the ore mine.

The installed OPTIBELT V-belts have been running now for approximately 23 weeks without any maintenance and without any downtime.





### **DIMENSIONS**

SPZ 1250-3550 mm SPA 1250-4500 mm SPB 2000-8000 mm SPC 3000-12500 mm 3V/9J 50-140 inch 5V / 15J 56 – 355 inch 8V/25J 100-475 inch

**KRAFTBAND PULLEYS** all standard pulleys, special pulleys on request



**KRAFTBANDS WITH CLASSIC V-BELTS** 

#### **DIMENSIONS**

A/HA 1200-4750 mm B/HB 1200-5600 mm C/HC 2286-6300 mm D/HD 2500-17780 mm

**KRAFTBAND PULLEYS** all standard pulleys, special pulleys on request



#### **DIMENSIONS**

Sections and dimensions available on request

**KRAFTBAND PULLEYS** all standard pulleys, special pulleys on request

#### HIGH PERFORMANCE WEDGE BELTS AND **KRAFTBANDS WITH TOP SURFACES**

#### **VERSIONS**

- Top surfaces with various shore hardnesses
- Top surfaces in various colours
- Top surfaces for various temperature ranges
- Application-specific top surfaces











## optibelt V-BELTS **Customized solutions**

**WEDGE BELTS** 

#### **DIMENSIONS**

Sections and dimensions available on request

V-GROOVED PULLEYS all standard pulleys, special pulleys on request



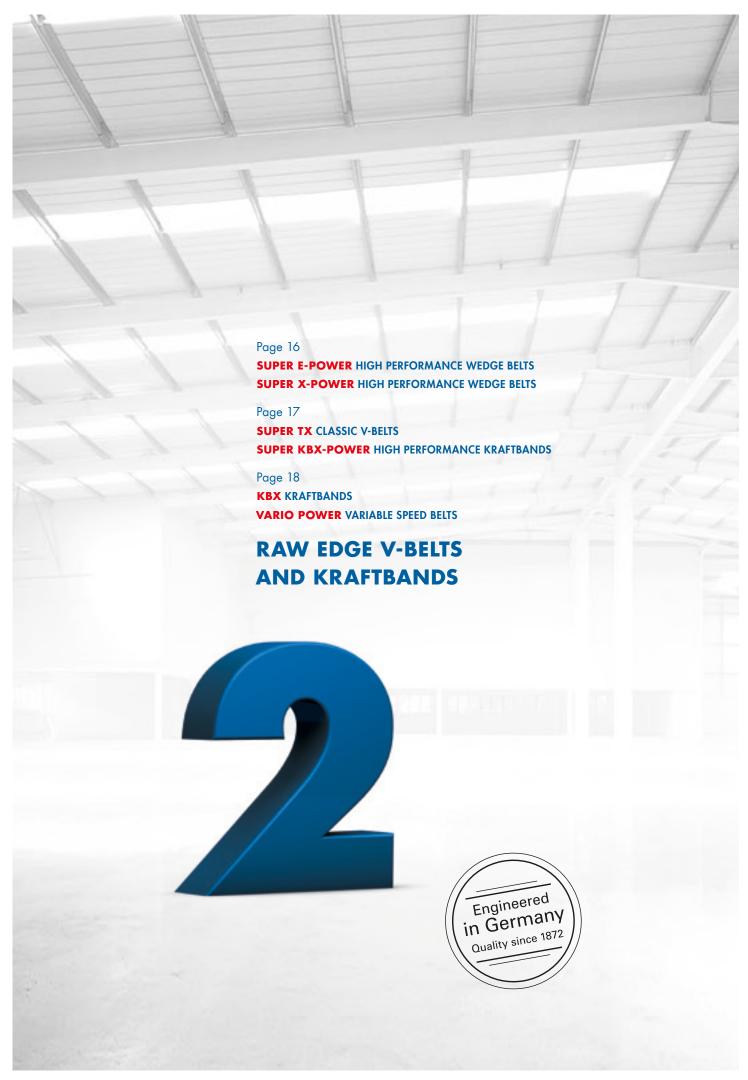














#### **HIGH PERFORMANCE WEDGE BELTS**

raw edge, moulded cog in accordance with DIN 7753 Part 1, ISO 4184 and RMA/MPTA

#### **DIMENSIONS**

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

V-GROOVED PULLEYS
all standard pulleys,
special pulleys on request





#### **HIGH PERFORMANCE WEDGE BELTS**

raw edge, moulded cog in accordance with DIN 7753 Part 1, ISO 4184 and RMA/MPTA

#### **DIMENSIONS**

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







#### **CLASSIC V-BELTS**

raw edged, cog formed in accordance with DIN 2215 and ISO 4184

#### **DIMENSIONS**

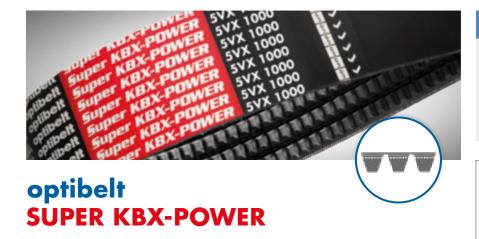
ZX/X10 597-1522 mm AX/X13 605-3380 mm BX/X17 610-3390 mm CX/X22 1058-3408 mm

V-GROOVED PULLEYS

all standard pulleys,

special pulleys on request





#### **HIGH PERFORMANCE KRAFTBANDS**

raw edged, cog formed

#### **DIMENSIONS**

XPZ on request
XPA on request
XPB on request
3VX/9JX 50-140 inch
5VX/15JX 50-140 inch





Sections and dimensions available on request

**DIMENSIONS** 

**KRAFTBAND PULLEYS** all standard pulleys, special pulleys on request

#### **KRAFTBANDS**

raw edged, cog formed



#### **DIMENSIONS**

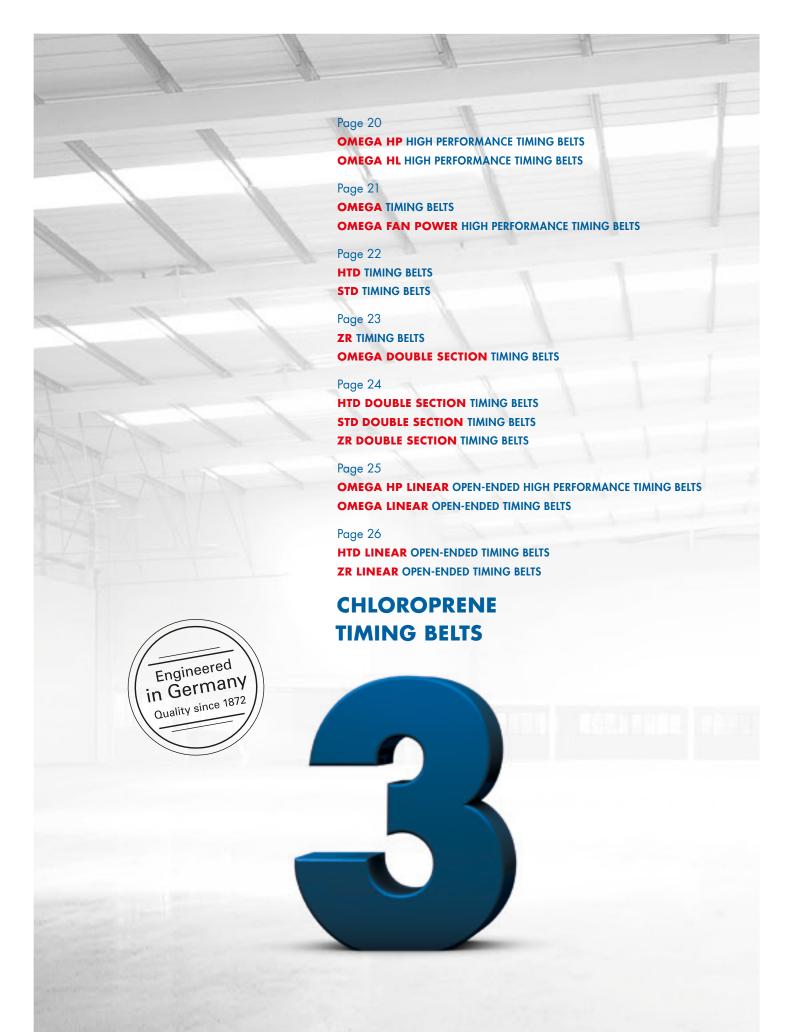
13 x 5 - 70 x 18 468 - 2500 mm 1422 V - 4436 V 235 - 750 inch

V-GROOVED PULLEYS all standard pulleys, special pulleys on request

#### **VARIABLE SPEED BELTS**

raw edged, cog formed, standard dimensions as defined in DIN/ISO and RMA/MPTA

Also available as double section belts





#### **HIGH PERFORMANCE TIMING BELTS**

maintenance-free

Also available as EPDM timing belts



#### **DIMENSIONS**

3M HP 111–1569 mm 5M HP 180–2525 mm 8M HP 288–3280 mm 14M HP 966–4578 mm

TIMING BELT PULLEYS

optibelt OMEGA
timing belts run in
standard HTD and RPP pulleys







#### **HIGH PERFORMANCE TIMING BELTS**

maintenance-free with fibreglass cords

#### **DIMENSIONS**

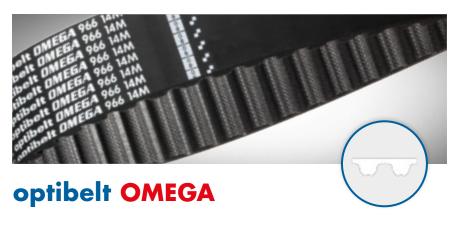
8M HL 288-3280 mm 14M HL 966-2800 mm

TIMING BELT PULLEYS optibelt OMEGA

timing belts run in standard HTD and RPP pulleys







#### **TIMING BELTS**

maintenance-free

#### **DIMENSIONS**

2M 74-1224 mm 3M 111-1863 mm 5M 120-2525 mm

8M 288-4400 mm

14M 966-4578 mm

TIMING BELT PULLEYS

optibelt OMEGA
timing belts run in
standard HTD and RPP pulleys







optibelt OMEGA
timing belts run in
standard HTD and RPP pulleys

**DIMENSIONS** 

8M FP 2000-2800 mm 14M FP 3150-4578 mm

Further sizes upon request

#### **HIGH PERFORMANCE TIMING BELTS**

for ventilation operations, anti-static, maintenance-free

Also available as EPDM timing belts









#### **DIMENSIONS**

20M 2000-6600 mm



**TIMING BELTS** 

maintenance-free





#### DIMENSIONS

S3M 120-633 mm S5M 255-2000 mm S8M 440-3200 mm S14M 1400-5012 mm

optibelt STD also available in HP or HL quality

**TIMING BELTS**maintenance-free

TIMING BELT PULLEYS optibelt ZRS

standard timing belt pulley STD





#### **TIMING BELTS**

classic profile, maintenance-free

#### **DIMENSIONS**

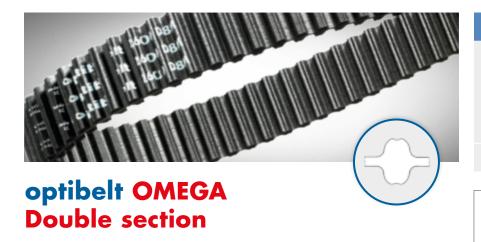
MXL 91.44-1026.16 mm XL 152.40-1600.20 mm L 276.23-1676.40 mm H 584.20-4318.00 mm XH 1289.05-4445.00 mm

XXH 1778.00-4572.00 mm

TIMING BELT PULLEYS optibelt ZRS

standard timing belt pulleys





#### **TIMING BELTS**

double section, maintenance-free

#### **DIMENSIONS**

D2M on request
D3M on request
D5M 1000 – 2525 mm

D8M 1000-3280 mm D14M on request

Further sizes upon request

TIMING BELT PULLEYS

optibelt OMEGA
timing belts run in
standard HTD and RPP pulleys







## DIMENSIONS

D5M 565-1200 mm D8M 600-2800 mm D14M 966-2310 mm DS8M 1160-1776 mm

TIMING BELT PULLEYS
optibelt ZRS

standard timing belt pulleys

#### **TIMING BELTS**

double section, maintenance-free





#### **DIMENSIONS**

DXL 381 – 787 mm
DL 476 – 1524 mm
DH 609 – 4318 mm

TIMING BELT PULLEYS

optibelt ZRS

standard timing belt pulleys

#### **TIMING BELTS**

double section, classic profile, maintenance-free





#### **OPEN-ENDED HIGH PERFORMANCE TIMING BELTS**

maintenance-free

#### **DIMENSIONS**

3M HP 6-15 mm 5M HP 10-25 mm 8M HP 10-30 mm

Standard roll length 30 m

TIMING BELT PULLEYS

optibelt OMEGA

timing belts run in
standard HTD and RPP pulleys







# DIMENSIONS 3M 9 mm

5M 10-25 mm 8M 10-30 mm

TIMING BELT PULLEYS
optibelt OMEGA
timing belts run in
standard HTD and RPP pulleys

#### **OPEN-ENDED TIMING BELTS**

maintenance-free







#### **LINEAR TIMING BELTS**

maintenance-free

#### **DIMENSIONS**

#### **FIBREGLASS TENSION CORD**

3M 6-15 mm

#### FIBREGLASS OR STEEL TENSION CORD

5M 6-25 mm 8M 10-85 mm 14M 25-85 mm

Standard roll length 30 m







#### **LINEAR TIMING BELTS**

classic profile, maintenance-free

#### **DIMENSIONS**

#### FIBREGLASS TENSION CORD

MXL 6,35 mm

#### FIBREGLASS OR STEEL TENSION CORD

XL 6,35-12,70 mmL 9,53-25,40 mmH 12,70-50,80 mm

Standard roll length 30 m









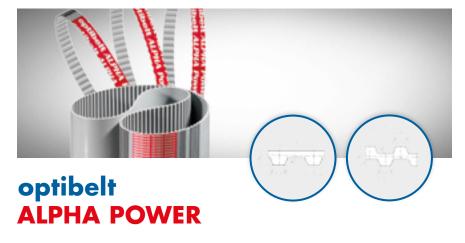
#### **DIMENSIONS**

8MDC

Dimensions on request

TIMING BELT PULLEYS DC
all standard pulleys,
special pulleys on request

**HIGH PERFORMANCE TIMING BELTS** 



#### TIMING BELTS

metric, inch and double section

# DIMENSIONS DOUBLE SECTION TIMING BELTS

T2,5 120-950 mm

T5 165-1440 mm

T10  $260-2250 \, \text{mm}$ 

AT5 225-1500 mm AT10 500-1940 mm

#### TIMING BELTS METRIC

DT5 300-1100 mm
DT10 260-1880 mm

Further sizes upon request

TIMING BELT PULLEYS
all standard pulleys,
special pulleys on request



MATERIAL HANDLING Page 29



#### **TIMING BELTS**

metric, inch and double section



#### **DIMENSIONS**

#### **TIMING BELTS METRIC**

T2,5 120-950 mm

T5 165-1440 mm

T10 260-2250 mm

AT5 225-1500 mm

AT10 500-1940 mm

MXL 2.40-32.00 inch

XL 6.00-67.00 inch

L 12.38-60.00 inch

#### **DOUBLE SECTION TIMING BELTS**

DT5 300-1100 mm

DT10 260-1880 mm

Further sizes upon request

TIMING BELT PULLEYS
all standard pulleys,
special pulleys on request



#### **TIMING BELTS**

linear

#### **DIMENSIONS**

T5 1500-24 000 mm
T10 1500-24 000 mm
T20 1500-24 000 mm
AT5 1500-24 000 mm
AT10 1500-24 000 mm
AT20 1500-24 000 mm
5M 1500-24 000 mm
8M 1504-24 000 mm

Lengths > 24 000 mm upon request

14M 1512-24 000 mm

TIMING BELT PULLEYS
all standard pulleys,
special pulleys on request





#### **TIMING BELTS**

by the metre (linear), welded endless or as flat belts

# DIMENSIONS LINEAR TIMING BELTS

XL, L, H, XH 5M, 8M, 14M T5, T10, T20 AT5, AT10, AT20

#### FLAT BELTS

F2 F3

Standard roll length 50 m





MATERIAL HANDLING Page 31



#### **TIMING BELTS**

with cleats (welded or screwed)

#### **DIMENSIONS**

Sections and dimensions available on request

TIMING BELT PULLEYS
all standard pulleys,
special pulleys on request



#### TIMING BELTS

with coating (rear)

#### **DIMENSIONS**

Sections and dimensions available on request

TIMING BELT PULLEYS
all standard pulleys,
special pulleys on request

#### **OPTIBELT**

## **OVERVIEW PRODUCT PROGRAM**



#### V-BELTS AND KRAFTBANDS



Page 8, 11

# optibelt RED POWER 3 S=C Plus

HIGH PERFORMANCE WEDGE BELTS

maintenance-free

#### optibelt KB RED POWER 3

KRAFT BANDS AND

HIGH PERFORMANCE

**WEDGE BELTS** 



Page 9, 12

#### optibelt BLUE POWER

HIGH PERFORMANCE WEDGE BELTS

with Aramid cord

#### optibelt KB BLUE POWER

**HIGH PERFORMANCE KRAFTBANDS** with Aramid cord



Page 10, 13

#### optibelt SK S=C Plus

**WEDGE BELTS** wrapped

#### optibelt VB S=C Plus

**CLASSIC V-BELTS** wrapped

#### optibelt KB/SK

**KRAFTBANDS** wrapped

#### optibelt KB/VB

**KRAFTBANDS** wrapped



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#### optibelt SUPER E-POWER

HIGH PERFORMANCE WEDGE BELTS

raw edged and moulded cogged

#### optibelt

#### **SUPER X-POWER**

**HIGH PERFORMANCE** 

**WEDGE BELTS** 

raw edged and moulded cogged

#### optibelt SUPER TX

**CLASSIC V-BELTS** 

raw edged and moulded cogged



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## optibelt SUPER KBX-POWER

HIGH PERFORMANCE KRAFTBANDS

raw edged

#### optibelt KBX

**KRAFTBANDS** 

raw edged and moulded cogged



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#### optibelt VARIO POWER

**VARIABLE SPEED BELTS** 

raw edged and moulded cogged

Also available as

double section belts

### **CHLOROPRENE TIMING BELTS**



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optibelt OMEGA HP

HIGH PERFORMANCE TIMING BELTS maintenance-free

optibelt OMEGA HL

HIGH PERFORMANCE TIMING BELTS maintenance-free



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optibelt OMEGA

**TIMING BELTS** 

high performance and universal maintenance-free

optibelt
OMEGA FAN POWER

HIGH PERFORMANCE TIMING BELTS maintenance-free



Page 22-23

optibelt HTD
TIMING BELTS

optibelt STD
TIMING BELTS

optibelt ZR
TIMING BELTS



Page 23-24

optibelt OMEGA
Double section
TIMING BELTS

optibelt HTD

Double section

TIMING BELTS



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optibelt STD

Double section

TIMING BELTS

optibelt ZR

Double section

TIMING BELTS



Page 25-26

optibelt OMEGA HP LINEAR
optibelt OMEGA LINEAR
optibelt HTD LINEAR
optibelt ZR LINEAR
LINEAR TIMING BELTS
maintenance-free

### **POLYURETHANE TIMING BELTS**



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optibelt DELTA CHAIN Carbon HIGH PERFORMANCE TIMING BELTS

# optibelt ALPHA POWER TIMING BELTS

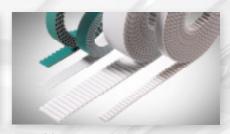
metric, inch and double section



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# optibelt ALPHA TORQUE TIMING BELTS

metric, inch and double section



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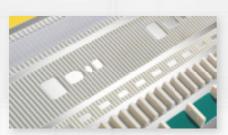
#### optibelt ALPHA FLEX

**TIMING BELTS** 

from polyurethane, endless

#### optibelt ALPHA LINEAR/V

**TIMING BELTS** by the metre (linear), welded endless or as flat belts



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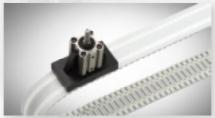
# optibelt ALPHA SPECIAL SPECIAL TIMING BELTS

for transport

- with cams
- with coatings
- with machining

#### optibelt ALPHA SPECIAL

customized solutions



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optibelt ALPHA SRP
SPECIAL POLYURETHANE BELTS

#### optibelt ATC SYSTEM

TIMING BELTS with flexible cleat system



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#### optibelt ALPHA ZS/ZSI

**TIMING BELT LOCK** 

#### optibelt PIN JOIN

TIMING BELT LOCK



# V-BELTS, RIBBED BELTS TIMING BELTS AND ELASTOMER FOILS



Page 42-45

optibelt CAR POWER optibelt TRUCK POWER

AUTOMOTIVE DRIVE BELTS for cars and commercial vehicles



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optibelt RB
RIBBED BELTS

optibelt RB ELASTIC RIBBED BELTS maintenance-free



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optibelt DK
DOUBLE V-BELTS

optibelt RR/RR PLUS/KK
PLASTIC BELTS
PLASTIC V-BELTS



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OPTIMAT OE / DK / FK
OPEN-ENDED V-BELTS

OPTIMAT PKR
OPEN-ENDED V-BELTS

with top surface



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optibelt
TECHNICAL
ELASTOMER FOILS

optibelt X-RAY PROTECTION MATERIAL



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FITNESS AND THERAPY BELTS



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PULLEYS AND BUSHES RANGE



From Page 64

SERVICE TOOLS
PROFESSIONAL TOOLS
FOR INSTALLATION

AND MAINTENANCE







### TIMING BELTS

with mechanical working (punching, machining, and sanding)

#### **DIMENSIONS**

Sections and dimensions available on request

TIMING BELT PULLEYS
all standard pulleys,
special pulleys on request





#### **TIMING BELTS**

customized solutions

#### DIMENSIONS

Sections and dimensions available on request











**MATERIAL HANDLING** Page 39



#### **TIMING BELTS**

customized solutions

#### **DIMENSIONS**

T2.5, T5, T10, T20, AT5, AT10, AT20, MXL, XL, L

Dimensions on request

TIMING BELT PULLEYS all standard pulleys, special pulleys on request



# **TIMING BELTS**

with flexible cleat system

all standard pulleys,



**DIMENSIONS** 

32 ATC10, 50 ATC10, 64 ATC10, 75 ATC10, 100 ATC10, 150 ATC10

Further sizes upon request

#### **ACCESSORIES**

ATC punching tools



punch pliers



punch stamp



ATC inserts



screw-on cams





**TIMING BELT LOCK** 

#### DIMENSIONS

25 ATC10, 32 ATC10, 50 ATC10 25 T10, 32 T10, 50 T10 25,4 H, 38,1 H, 50,8 H

Additional intermediate widths and widths greater than 50 mm on request

TIMING BELT PULLEYS
all standard pulleys,
special pulleys on request





**TIMING BELT LOCK** 

#### **DIMENSIONS**

25 AT10, 32 AT10, 50 AT10

Additional profiles, intermediate widths and widths greater than 50 mm on request





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**MARATHON 1 V-BELTS** 

**RBK** RIBBED V-BELTS

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**ZRK** TIMING BELTS

**KIT** REPAIR SETS

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TRUCK POWER MARATHON 2 V-BELTS
TRUCK POWER RBK RIBBED V-BELTS

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TRUCK POWER KBX KRAFTBANDS
TRUCK POWER KIT REPAIR SETS

**SERVICE TOOLS** 

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TT-A TENSION MEASURING DEVICE

MT-A / MT-A II INSTALLATION TOOLS

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OPTIKRIK O, I, II, III BELT TENSION MEASURING DEVICE MEASURING GAUGE

**LASER POINTER II ALIGNMENT OF BELT DRIVES** 

# DRIVE BELTS FOR MOTOR VEHICLES



"So your car purrs like a kitten"

Michael, 33, mechatronics technician





#### **V-BELTS**

raw edged, cog formed

#### **SECTIONS**

AVX 10, AVX 13, AVX 11, AVX 11,2, AVX 11,5, AVX 11.9

The sections AVX 10 and AVX 13 have cross sections and dimensions compliant with DIN 7753 as well as standards ISO 2709 and SAF

#### JASO E107:2000

All standard sections/lengths available

#### **SAE J636**

All standard sections/lengths available





#### **SECTIONS**

PJ, PK, DPK, EPK

All standard sections/lengths available

#### **RIBBED V-BELTS**

standard and elastic



AUTOMOTIVE TECHNOLOGY
Page 43



#### **SECTIONS**

Sections and dimensions available on request

#### **CHOICE OF SECTIONS**



**TIMING BELTS** 





#### **DIMENSIONS**

Available range for all standard car models

# optibelt KIT

#### **REPAIR SETS FOR VEHICLES**

with and without water pumps





#### **SECTIONS**

AVX 10, AVX 13, AVP 13

All standard sections/lengths available

#### **V-BELTS**

rough edged, moulded cogged, M=S usable in unmeasured sets







#### **SECTIONS**

PK

All standard sections/lengths available

**RIBBED V-BELTS** 



AUTOMOTIVE TECHNOLOGY Page 45



#### **SECTIONS**

AVX 10 - 2 ribs AVX 13 - 2 ribs XPB - 2 ribs

All standard sections / lengths available

#### **KRAFTBANDS**

raw edged, cog formed





#### **DIMENSIONS**

Available range for all standard commercial vehicle models

# optibelt TRUCK POWER KIT

**REPAIR SETS FOR VEHICLES** 





# optibelt TT-A Tension measuring device

#### FREQUENCY MEASURING DEVICE

for the universal measurement of tension in timing belts and ribbed V-belts

#### **RANGE OF MEASUREMENT**

• 30-520 Hz



# optibelt MT-A

#### **INSTALLATION TOOLS**

for the safe installation of elastic ribbed V-belts



# optibelt MT-A II

#### **INSTALLATION TOOLS**

for the safe installation of elastic ribbed V-belts. Special tool for Ford, Mazda and Volvo. AUTOMOTIVE TECHNOLOGY
Page 47



## optibelt OPTIKRIK 0, I, II, III

#### **BELT TENSION MEASURING DEVICE**

tests reliably whether the V-belt, the kraftband or the ribbed belt has the proper tension



for V-belts, timing belts and ribbed belts

#### **RANGE OF MEASUREMENT**

• 500-2500 mm interior length (L<sub>i</sub>)



# optibelt LASER POINTER II

**AIDS THE ALIGNMENT OF BELT DRIVES** 

It also helps to determine the three most common causes of drive failure

- the axial misalignment of the pulleys,
- the horizontal angle deviation,
- the vertical angle deviation.

Page 48 Certification

# AT TOP SPEED

At OPTIBELT the highest quality standards come first. We are always working hard to exceed the guidelines. We have a strictly certified environmental management system and we always pay close attention to quality, the environment and safety. Making sure that our products are always the right decision.



#### **TECDOC**

HIGH PRECISION DATA TRANSFER –
OPTIBELT IS A "TECDOC CERTIFIED DATA SUPPLIER".

TecDoc supplies workshops and trade with up-to-date and comprehensive data to identify and order parts for both cars and commercial vehicles. The information is provided directly from the data bases of vehicle part manufacturers in standardised catalogue form. As a particularly reliable TecDoc partner, which meets all of the necessary quality criteria in every possible aspect, OPTIBELT was granted the "TecDoc Certified Data Supplier" seal of approval.



#### **PARTSLIFE**

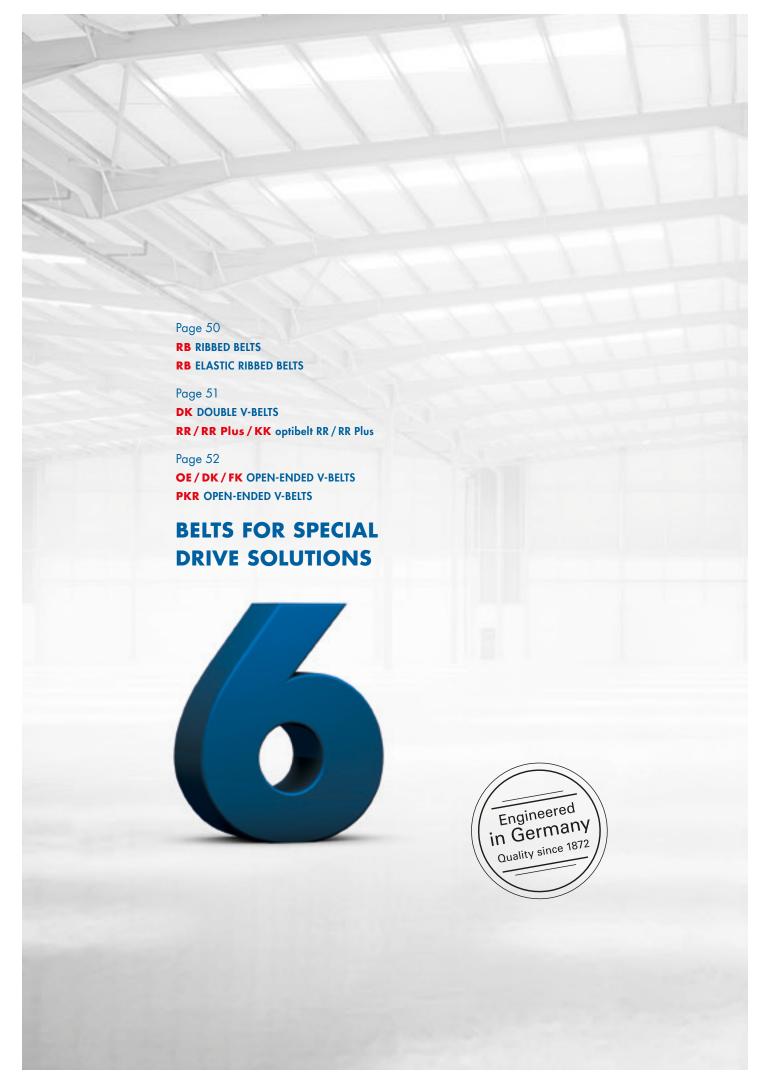
OPTIBELT SEES ENVIRONMENTAL PROTECTION AS MORE THAN ADHERENCE TO LEGAL REQUIREMENTS.

The question is: How can ecological, economical and social responsibility be brought together? Thanks to the Partslife management system developed with the automotive parts industry in mind OPTIBELT has a reliable environmental protection system at its side.











#### **DIMENSIONS**

PH 698-2155 mm

PJ 280-2489 mm

PK 630-2845 mm

PL 954-6096 mm

PM 2286-15266 mm

Further sizes upon request





#### **ELASTIC RIBBED BELTS**

 $maintenance\hbox{-} free$ 

#### **DIMENSIONS**

EPH 700-2200 mm

EPJ 280-2500 mm

Further sizes upon request





POWER TRANSMISSION Page 51



**DOUBLE V-BELTS** 

DIN 7722

#### **DIMENSIONS**

AA/HAA 2000-3920 mm
BB/HBB 1980-5639 mm
CC/HCC 2280-5750 mm
DD/HDD on request
22 x 22 5180-6270 mm
25 x 22 on request

Further sizes upon request

V-GROOVED PULLEYS
all standard pulleys,
special pulleys on request



#### optibelt RR/RR Plus

round plastic belts without and with tension cord

#### optibelt KK

plastic V-belts

#### **DIMENSIONS** optibelt RR / RR PLUS (ROLL LENGTHS) 200 m 8\* 100 m 200 m 10\* 100 m 200 m 12\* 50 m 200 m 15\* 50 m 6\* 100 m 18 30 m 7\* 100 m optibelt KK (SECTIONS) 8, Z/10, A/13, B/17, C/22 \* also with tension cord





# V-BELT PULLEYS usable in DIN/ISO V-belt pulleys

## **OPTIMAT OE/DK/FK**

#### **LINEAR V-BELTS**

perforated, DIN 2216

#### **SPECIAL VERSION**

- available with black chloroprene cover bands
- electrical conductance (on request)



**OPTIMAT OE**V-belts,
DIN 2216, perforated



**OPTIMAT DK** double V-belts, perforated



**OPTIMAT FK** conveyor belts, perforated







HEIGHT OF TOP SURFACE			
TYPE OF TOP SURFACE	STANDARD (MM)	MAX. (mm)	CLASSIFI- CATION (MM)
PKR O	2	3	_
PKR 1*	3	3	10
PKR 2	3	_	_

#### **OPTIMAT PKR**

#### **OPEN-ENDED V-BELTS**

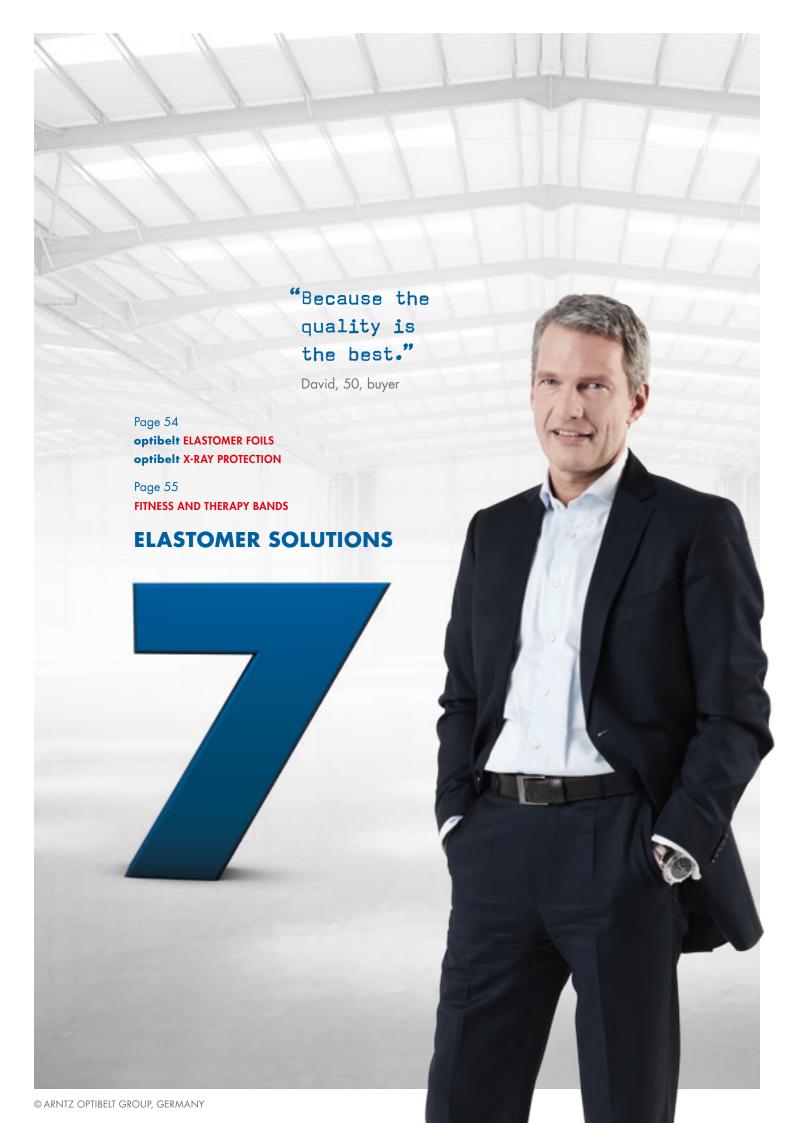
DIN 2216 with top surface

Sections: Z/10, A/13, B/17, C/22, 25\*, D/32\*

\*Special versions are only available for lengths greater than  $50 \, \text{m} \pm 10 \, \%$ 

\*For section 25 and D/32 top surface height of 5 mm is only possible







# optibelt ELASTOMER FOILS

High-quality elastomer foils from OPTIBELT are versatile problem solvers. The products can be used in various industrial sectors, e.g. automotive, mechanical engineering , medical technology.



## optibelt X-RAY PROTECTION

OPTIBELT X-ray protection offers high protection levels with low weight as well as excellent flexibility thanks to the rubber parts used. Our product range includes lead-containing, low-lead and lead-free versions.

ELASTOMER SOLUTIONS Page 55



#### FITNESS AND THERAPY BANDS

OPTIBELT is known as a reliable producer of high-quality fitness and therapy bands. Developments such as latex free fitness belts are a sign of constant innovation.



# **DEUSER-BAND**

OPTIBELT is known as a reliable producer of high-quality fitness and therapy bands: the best example is the **Original Deuser-Band**. It gets its name from the physical therapist Erich Deuser. Deuser worked with the German national football team from 1951 to 1982 and first started train the players with a bicycle tube until he developed a rubber band with variable tensions in 1967, which is specially designed for strength training: the Deuser-Band.





Taper bushes

F	FOR TAPER BUSHES	
SECTION	ORIENTATION CROSS SECTION	RIBS
SPZ/10	50-630 mm	1-8
SPA/13	63-630 mm	1-5
SPB/17	100 – 1000 mm	1-10
SPC/22	200 – 1250 mm	2-10

FOR CYLINDRICAL BORES		
SECTION	ORIENTATION CROSS SECTION	RIBS
SPZ/10 SPA/13 SPB/17	45-355 mm 50-560 mm 56-630 mm	1-3 1-5 1-6
SPC/22	180-630 mm	1-6



#### STANDARD TIMING BELT PULLEYS

**V-GROOVED PULLEYS** in accordance with DIN 2211

Taper bushes

·	OR TAPER BUSH	IES
SECTION	BELT WIDTH	TEETH
L	12.7 mm	18-120
	19.1 mm	18 – 120
	25.4 mm	18 – 120
Н	25.4 mm	16-120
	38.1 mm	18-120
	50.8 mm	18-120
	76.2 mm	20-120
XH	50.8 mm	18-48
	76.2 mm	18-48
	101.6 mm	20-48

SECTION	BELT WIDTH	TEETH
XL	6.4 mm	10-72
	7.9 mm	10-72
	9.5 mm	10-72
L	12.7 mm	10-84
	19.1 mm	10-84
	25.4 mm	10-84
Н	19.1 mm	14-48
	25.4 mm	14-120
	38.1 mm	14-120
	50.8 mm	14-120
	76.2 mm	16-120
XH	50.8 mm	18-96
	76.2 mm	18-96
	101.6 mm	18-96

FOR CYLINDRICAL BORES



F	FOR TAPER BUSHES	
SECTION	BELT WIDTH	TEETH
8MDC	12 mm 21 mm 36 mm 62 mm	22-192 22-192 22-192 22-192



**V-GROOVED PULLEYS** 

FOR TAPER BUSHES		
DESIGNATION	DIMENSIONS	RIBS
TB 4 PJ	47.5 – 222.5 mm	4
TB 8 PJ	47.5 – 222.5 mm	8
TB 12 PJ	62.5-222.5 mm	12
TB 16 PJ	62.5-222.5 mm	16
TB 6 PL	78-388 mm	6
TB 8 PL	78-388 mm	8
TB 10 PL	88-388 mm	10
TB 12 PL	88-388 mm	12
TB 16 PL	103-388 mm	16

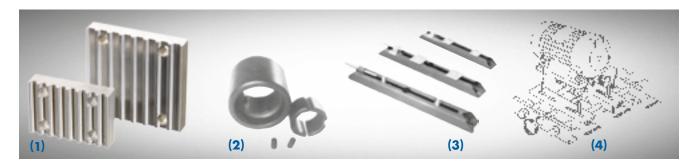
FOR C	FOR CYLINDRICAL BORES	
DESIGNATION	DIMENSIONS	RIBS
4 PJ	22.5-42.5 mm	4
8 PJ	22.5-42.5 mm	8
12 PJ	22.5-42.5 mm	12



#### DIMENSIONS

Sections and dimensions available on request

# optibelt SPECIAL PULLEYS



# **optibelt METAL ACCESSORIES**

#### (1) optibelt CP

base plate

#### (2) optibelt FS

flat belt pulleys for taper bushes

#### (3) optibelt MS

motor slide rails

#### (4) optibelt MS

motor slides



optibelt TB

**TAPER BUSHES** 

DIMENSIONS		
TAPER BUSHES	BORE DIAMETERS	
1008	10-25 mm	
1108	10-28 mm	
1210	11 – 32 mm	
1215	11 – 32 mm	
1310	14-35 mm	
1610	14-42 mm	
1615	14-42 mm	
2012	14-50 mm	
2517	16-60 mm	
3020	25-75 mm	
3030	35-75 mm	
3525	35-90 mm	
3535	35-90 mm	
4040	40-100 mm	
4545	55 – 110 mm	
5050	70 – 125 mm	

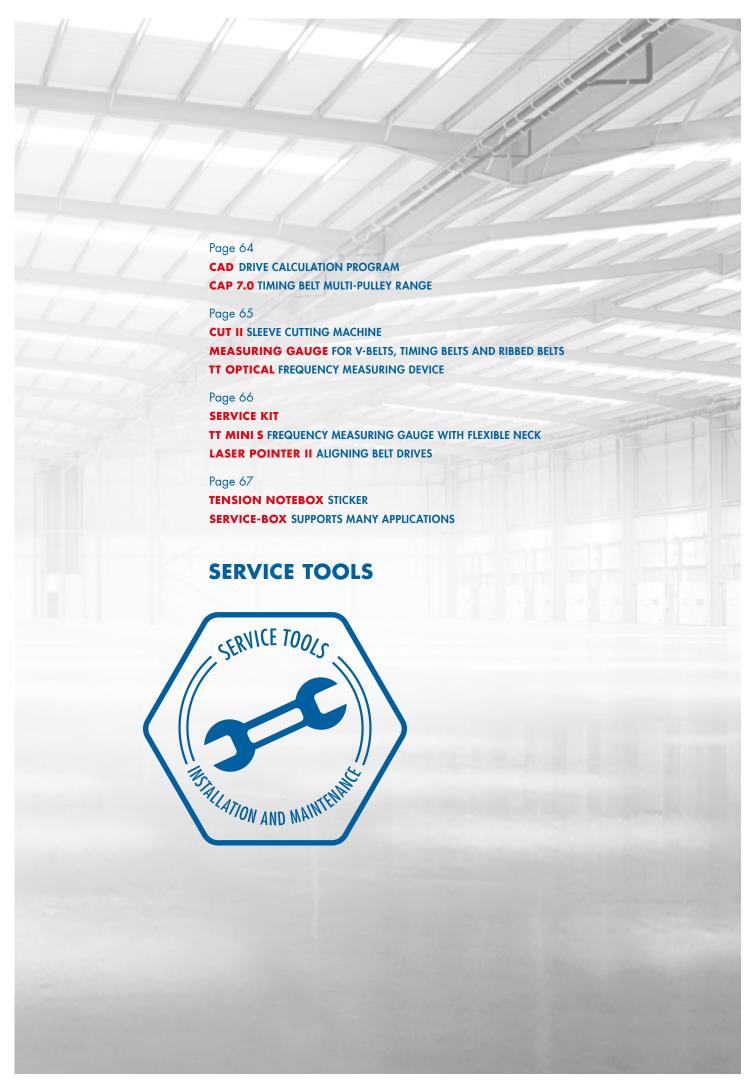


# optibelt **CE**

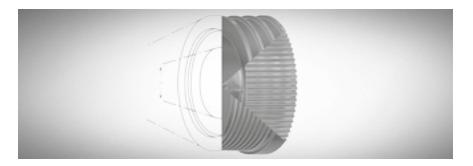
**BASE ELEMENT** 

DESIGNATION	BORE DIAMETERS
CE01	18-400 mm
CE02	6-100 mm
CE03	6-150 mm
CE04	20-180 mm
CE05	20-200 mm
CE06	20-180 mm
CE07	20-200 mm
CE08	25-200 mm
CE09	45 – 100 mm
CE10	14-60 mm
CE11	14-60 mm
CE12	16-60 mm
CE13	15-70 mm
CE14	24-260 mm

DIMENSIONS



Page 64 SERVICE TOOLS



# optibelt CAD

Download CAD files for the standard product range of pulleys and bushes in 2D and 3D models.



# optibelt CAP

#### **MULTI-PULLEY RANGE TIMING BELTS**

for the calculation and design of multi-pulley timing belt drives



# optibelt CUT II

#### **SLEEVE CUTTING MACHINE**

for all standard timing belts and ribbed V-belts



for V-belts, timing belts and ribbed belts

#### **RANGE OF MEASUREMENT**

 $\bullet$  500-2500 mm interior length (L<sub>i</sub>)



# optibelt TT OPTICAL

#### FREQUENCY MEASURING DEVICE

#### **RANGE OF MEASUREMENT**

• 5-500 Hz

Page 66 SERVICE TOOLS



# optibelt SERVICE KIT

#### **SERVICE CASE**

contains a number of technical devices that can be used to carry out a series of optimisations on existing drives



#### WITH FLEXIBLE NECK

for easy measurements on tough to access positions



# optibelt LASER POINTER II

#### LASER ALIGNING BELT DRIVES

It also helps to determine the three most common causes of drive failures

- the axial misalignment of the pulleys,
- the horizontal angle deviation,
- the vertical angle deviation.



# optibelt TENSION NOTEBOX

#### **TENSION NOTES**

The proven optibelt Tension Notes sticker documents the default values for the proper tension methods.



# optibelt SERVICE-BOX

#### THE ON-SITE SUPPORT FOR NUMEROUS AREAS

The creation and monitoring of belt tension with OPTIKRIK makes it easier for installers to carry out maintenance work on site and increase the reliability of the drive.

## **NOTES**



Maintenance free



S=C Plus, unmeasured set always consistent to nominal mass



97% efficiency



M=S Matched Sets, unmeasured use in sets



optibelt OMEGA timing belts run in standard HTD and RPP® pulleys



Includes ribbed V-belts, ribbed belts and toothed pulleys



Large selection for motor vehicles



Large selection for trucks and buses

# **SPECIAL SOLUTIONS**



FDA conform for food production



LC V-belts with covering weave



EL Electrically conductive V-belts



Light Duty V-belts in accordance with US Standard RMA/MPTA



Mining optibelt V-belts, used in underground mining.



With coatings individual customer solutions



HVAC S=C Plus Classic V-belts for heat, ventilation and air-conditioning drives

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