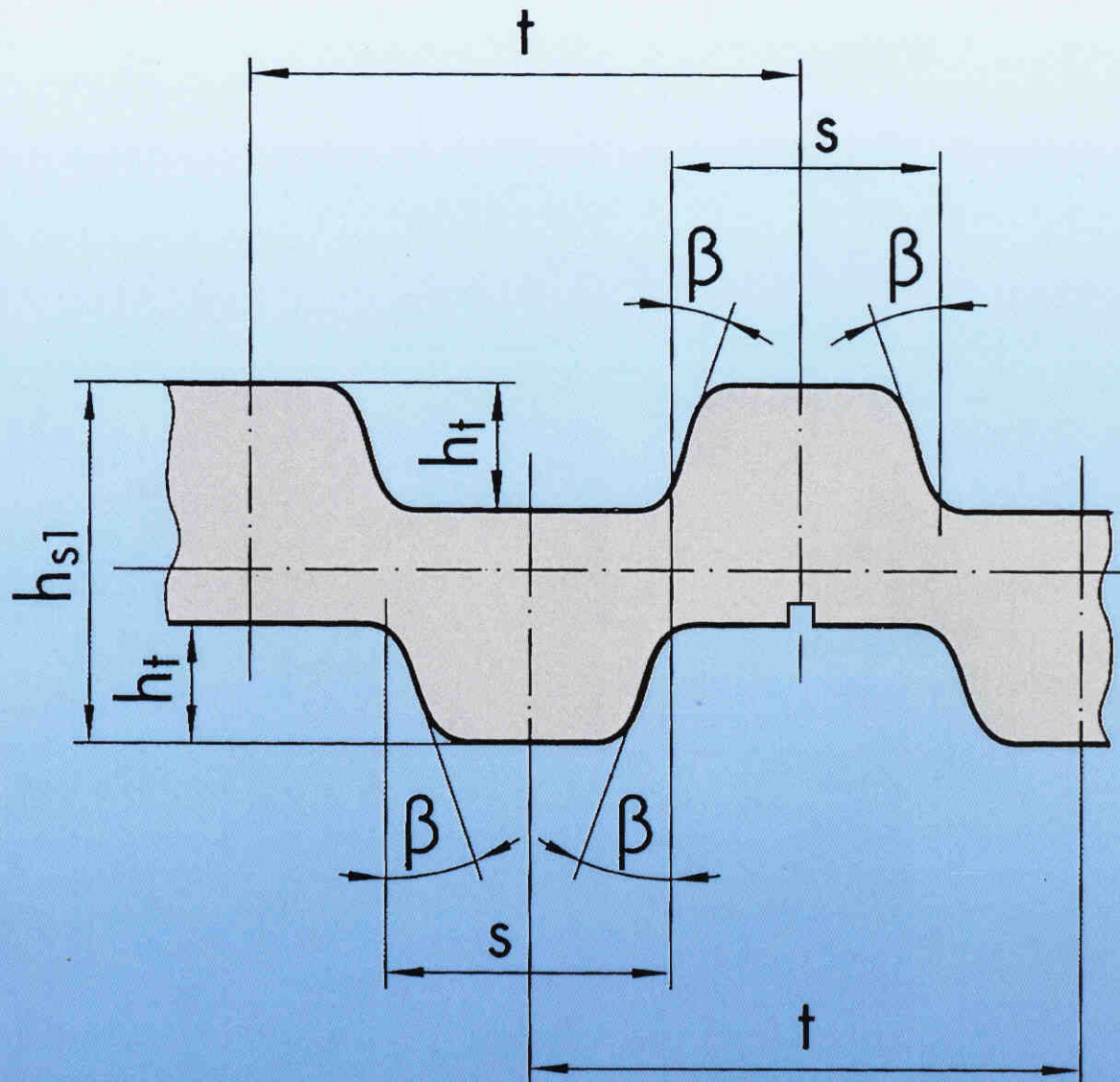


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**Produkte & Anwendungen**  
*Products & Applications*

# Profile *Sections*



**Antriebslösungen mit Optibelt**  
*Drive solutions with Optibelt*

# Profile Sections

**Kraftschlüssige  
Leistungsübertragung**

*Frictional  
Power Transmission*

**Formschlüssige  
Leistungsübertragung**

*Positive  
Power Transmission*



**Power Transmission**

## Kraftschlüssige Leistungsübertragung

*Frictional  
Power Transmission*



**Keilriemen  
V-Belts**  
**Kraftbänder  
Kraftbands**

5-7

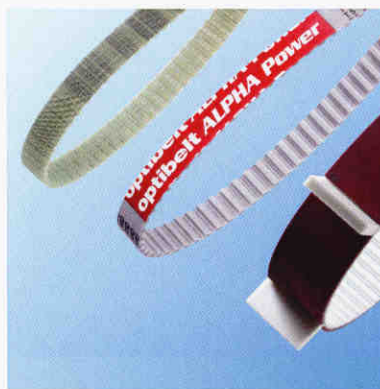
## Formschlüssige Leistungsübertragung

*Positive  
Power Transmission*



**Zahnriemen  
Chloropren**  
*Timing Belts  
Chloroprene*

9-10



**Zahnriemen  
Polyurethan**  
*Timing Belts  
Polyurethane*

12-13

## Scheiben Pulleys



**Keilrillenscheiben  
Keilrippenscheiben  
Zahnscheiben**  
*V-Grooved Pulleys  
Ribbed Belt Pulleys  
Timing Belt Pulleys*

14

**Kraftband RED POWER II** SERVICE FREE  
**Kraftband RED POWER II** SERVICE FREE  
**Kraftband RED POWER II** SERVICE FREE  
**Kraftband RED POWER II** SERVICE FREE

**SPB 355**

**SPB 355**

**SPB 355**

**Kraftband RED POWER II** SERVICE FREE  
**Kraftband RED POWER II** SERVICE FREE  
**Kraftband RED POWER II** SERVICE FREE  
**Kraftband RED POWER II** SERVICE FREE  
**Kraftband RED POWER II** SERVICE FREE

**SPB 355**

**SPB 355**

**SPB 355**

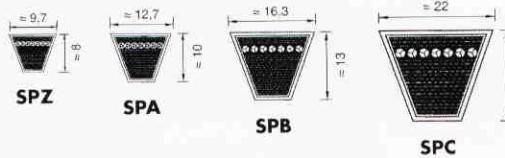
# Kraftschlüssige Leistungsübertragung Frictional Power Transmission

## Keilriemen V-Belts • Kraftbänder Kraftbands

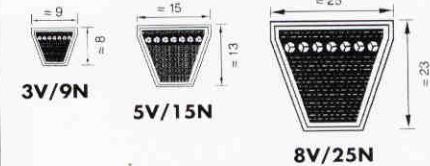
### optibelt RED POWER II



Hochleistungs-Schmalkeilriemen  
High performance wedge belts



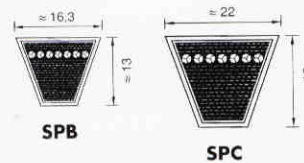
Hochleistungs-Schmalkeilriemen USA-Standard  
High performance wedge belts to USA standard



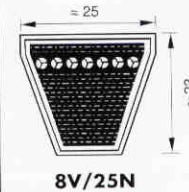
### optibelt BLUE POWER



Hochleistungs-Schmalkeilriemen  
High performance wedge belts



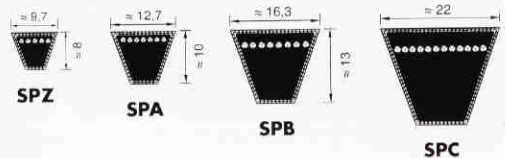
Hochleistungs-Schmalkeilriemen USA-Standard  
High performance wedge belts to USA standard



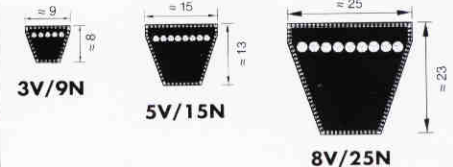
### optibelt SK 5=C PLUS



Hochleistungs-Schmalkeilriemen  
High performance wedge belts



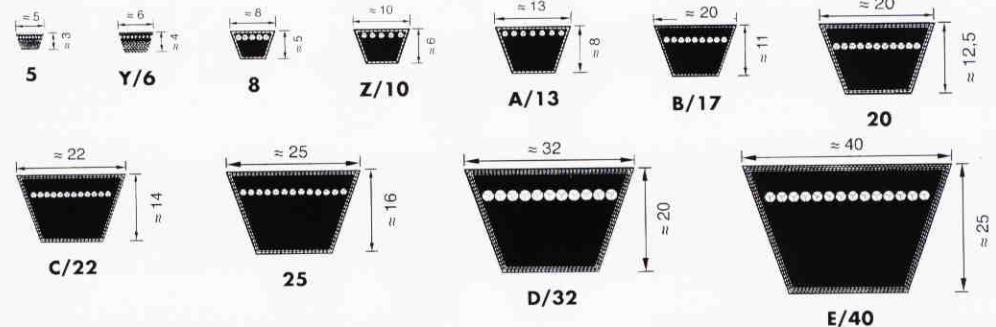
Hochleistungs-Schmalkeilriemen USA-Standard  
High performance wedge belts to USA standard



### optibelt VB 5=C PLUS



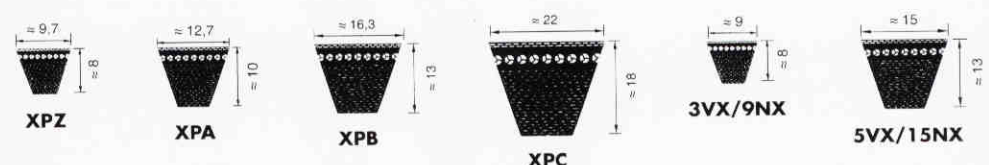
Klassische Keilriemen  
Classical V-belts



### optibelt Super X-POWER M=5



Schmalkeilriemen – flankenoffen, formgezahnt  
Wedge belts – raw edge, moulded cogged



# Kraftschlüssige Leistungsübertragung *Frictional Power Transmission*

## Keilriemen *V-Belts* • Kraftbänder *Kraftbands*

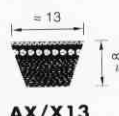
### optibelt SUPER TX M=5



Klassische Keilriemen – flankenoffen, formgezahnt  
*Classical V-belts – raw edge, moulded cogged*



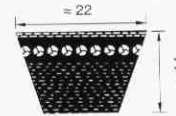
ZX/X10



AX/X13



BX/X17



CX/X22

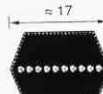
### optibelt DK



Doppelkeilriemen *Double section V-belts*



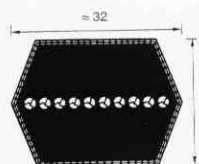
AA/HAA



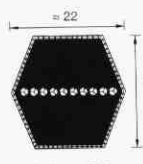
BB/HBB



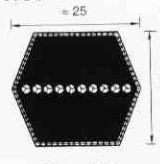
CC/HCC



DD/HDD



22 x 22

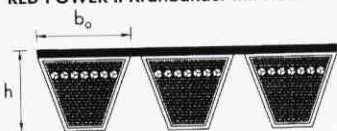


25 x 22

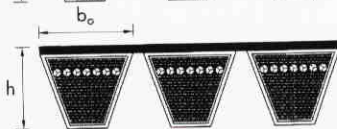
### optibelt KB RED POWER II



RED POWER II Kraftbänder mit Hochleistungs-Schmalkeilriemen *Kraftbands with high performance wedge belts*



| Profil<br>Section         | SPZ  | SPA  | SPB  | SPC  |
|---------------------------|------|------|------|------|
| $b_o \approx (\text{mm})$ | 9,7  | 12,7 | 16,5 | 22,0 |
| $h \approx (\text{mm})$   | 10,5 | 12,5 | 15,6 | 22,6 |

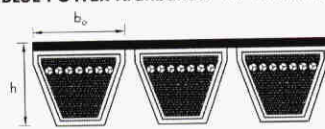


| Profil<br>Section         | 3V/9J | 5V/15J | 8V/25J |
|---------------------------|-------|--------|--------|
| $b_o \approx (\text{mm})$ | 9,0   | 15,0   | 25,0   |
| $h \approx (\text{mm})$   | 9,9   | 15,1   | 25,5   |

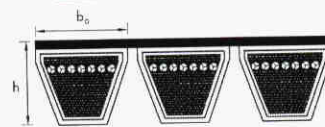
### optibelt KB BLUE POWER



BLUE POWER Kraftbänder mit Hochleistungs-Schmalkeilriemen *Kraftbands with high performance wedge belts*



| Profil<br>Section         | SPB  | SPC  |
|---------------------------|------|------|
| $b_o \approx (\text{mm})$ | 16,5 | 22,0 |
| $h \approx (\text{mm})$   | 15,6 | 22,6 |

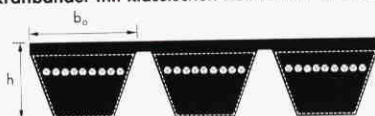


| Profil<br>Section         | 5V/15J | 8V/25J |
|---------------------------|--------|--------|
| $b_o \approx (\text{mm})$ | 15,0   | 25,0   |
| $h \approx (\text{mm})$   | 15,1   | 25,5   |

### optibelt KB VB/SK

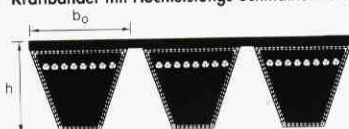


Kraftbänder mit klassischen Keilriemen *Kraftbands with classical V-belts*

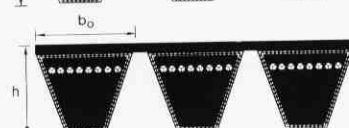


| Profil<br>Section         | A/HA | B/HB | C/HC | D/HD |
|---------------------------|------|------|------|------|
| $b_o \approx (\text{mm})$ | 13,0 | 17,0 | 22,0 | 32,0 |
| $h \approx (\text{mm})$   | 9,9  | 13,0 | 16,2 | 22,4 |

Kraftbänder mit Hochleistungs-Schmalkeilriemen *Kraftbands with high performance wedge belts*



| Profil<br>Section         | SPZ  | SPA  | SPB  | SPC  |
|---------------------------|------|------|------|------|
| $b_o \approx (\text{mm})$ | 9,7  | 12,7 | 16,5 | 22,0 |
| $h \approx (\text{mm})$   | 10,5 | 12,5 | 15,6 | 22,6 |



| Profil<br>Section         | 3V/9J | 5V/15J | 8V/25J |
|---------------------------|-------|--------|--------|
| $b_o \approx (\text{mm})$ | 9,0   | 15,0   | 25,0   |
| $h \approx (\text{mm})$   | 9,9   | 15,1   | 25,5   |

### optibelt Super KBX-POWER optibelt KBX



Super KBX-POWER Kraftbänder – flankenoffen, formgezahnt  
Super KBX-POWER kraftbands – raw edge, moulded cogged



| Profil<br>Section  | 3VX/9JX | 5VX/15JX | XPB  |
|--------------------|---------|----------|------|
| $b_o \approx$ (mm) | 9,0     | 15,0     | 16,5 |
| $h \approx$ (mm)   | 9,9     | 15,1     | 15,6 |

KBX Kraftbänder – flankenoffen, formgezahnt  
KBX kraftbands – raw edge, moulded cogged

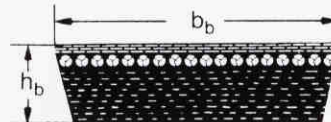


| Profil<br>Section  | 3VX/9JX | 5VX/15JX |
|--------------------|---------|----------|
| $b_o \approx$ (mm) | 9,0     | 15,0     |
| $h \approx$ (mm)   | 9,9     | 15,1     |

### optibelt SUPER VX optibelt SUPER DVX



Breitkeilriemen – flankenoffen, formgezahnt  
Variable speed belts – raw edge, moulded cogged



Riemenbreiten Belt width: 13-100 mm  
Riemenhöhen Belt height: 5- 25 mm

Breitkeilriemen – doppelgezahnt  
Variable speed belts – raw edge, double section moulded cogged

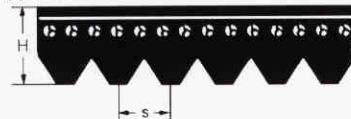


Riemenbreiten Belt width: 20-85 mm  
Riemenhöhen Belt height: 10-30 mm

### optibelt RB



Rippenbänder Ribbed belts



| Profil<br>Section | PH  | PJ   | PK   | PL  | PM   |
|-------------------|-----|------|------|-----|------|
| $s =$             | 1,6 | 2,34 | 3,56 | 4,7 | 9,4  |
| $H \approx$       | 2,5 | 3,50 | 5,50 | 7,0 | 13,0 |

Die Leistungsfähigkeit einer Maschine wird grundlegend von der Leistungsfähigkeit der eingesetzten Antriebstechnik bestimmt.

*The performance of a machine is fundamentally determined by the performance of the utilised drive technology.*



**Power Transmission**

ptibelt  
ptibelt  
ptibelt  
ptibelt

OMEGA HP  
OMEGA HP  
OMEGA HP  
OMEGA HP

650 8M  
650 8M  
650 8M  
650 8M

OMEGA HP  
OMEGA HP  
OMEGA HP  
OMEGA HP

650 8M  
650 8M  
650 8M  
650 8M  
650 8M  
650 8M

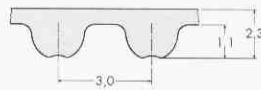
# Formschlüssige Leistungsübertragung Positive Power Transmission

## Zahnriemen Chloropren • Timing Belts Chloroprene

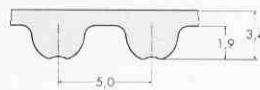
**optibelt OMEGA**  
**optibelt OMEGA HP**  
**optibelt OMEGA HL**  
**optibelt OMEGA Fan Power**



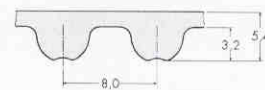
Hochleistungs-Zahnriemen aus Chloropren  
High performance timing belts chloroprene



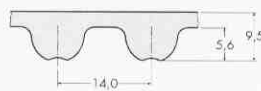
**Profil Section 3M HP**



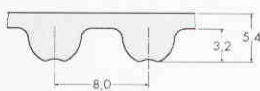
**Profil Section 5M HP**



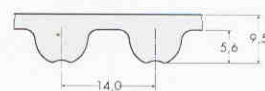
**Profil Section 8M HP**



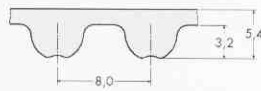
**Profil Section 14M HP**



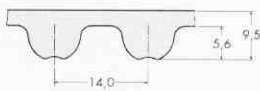
**Profil Section 8M HL**



**Profil Section 14M HL**

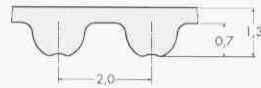


**Profil Section 8M FP**

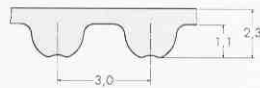


**Profil Section 14M FP**

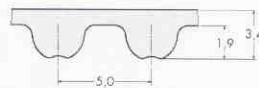
Zahnriemen aus Chloropren Chloroprene timing belts



**Profil Section 2M**



**Profil Section 3M**



**Profil Section 5M**



**Profil Section 8M**



**Profil Section 14M**

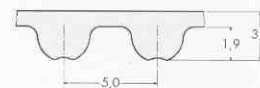
**optibelt OMEGA HP linear**  
**optibelt OMEGA linear**  
**optibelt ZR linear**



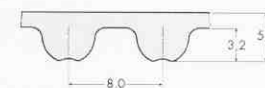
Zahnriemen als Meterware Open-ended timing belts



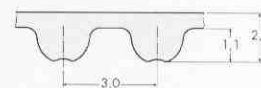
**Profil Section 3M HP**



**Profil Section 5M HP**



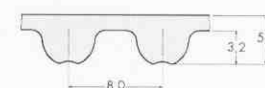
**Profil Section 8M HP**



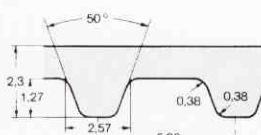
**Profil Section 3M**



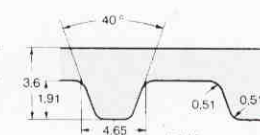
**Profil Section 5M**



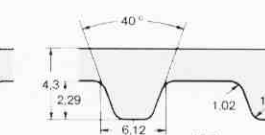
**Profil Section 8M**



**Profil Section XL**



**Profil Section L**



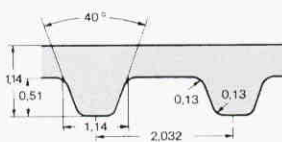
**Profil Section H**

Aufbau: Chloropren mit Glasfaserzugstrang  
Construction: Chloroprene with glass fibre cord

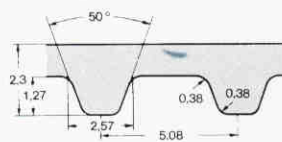
**optibelt ZR**  
**optibelt ZR D**



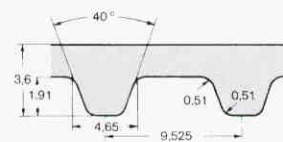
### Zahnriemen Timing belts



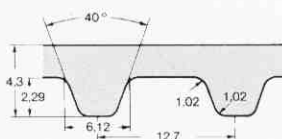
**Profil Section MXL**



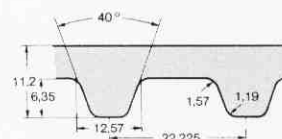
**Profil Section XL**



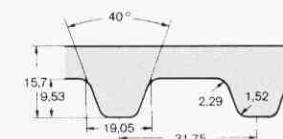
**Profil Section L**



**Profil Section H**

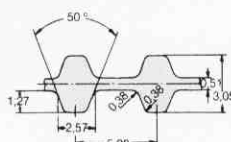


**Profil Section XH**

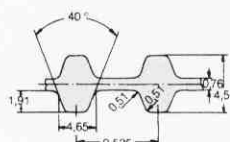


**Profil Section XXH**

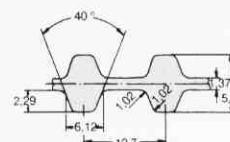
### Doppelzahnriemen Double timing belts



**Profil Section D-XL**



**Profil Section D-L**



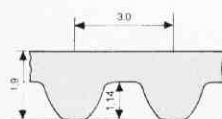
**Profil Section D-H**

(nur Mittelwerte nominal dimensions – mm)

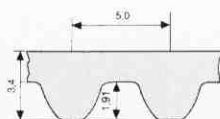
**optibelt STD®**  
**optibelt STD® D**



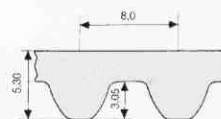
### Zahnriemen Timing belts



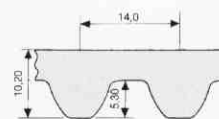
**Profil Section S3M**



**Profil Section S5M**

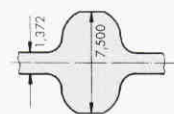


**Profil Section S8M**



**Profil Section S14M**

### Doppelzahnriemen Double timing belts

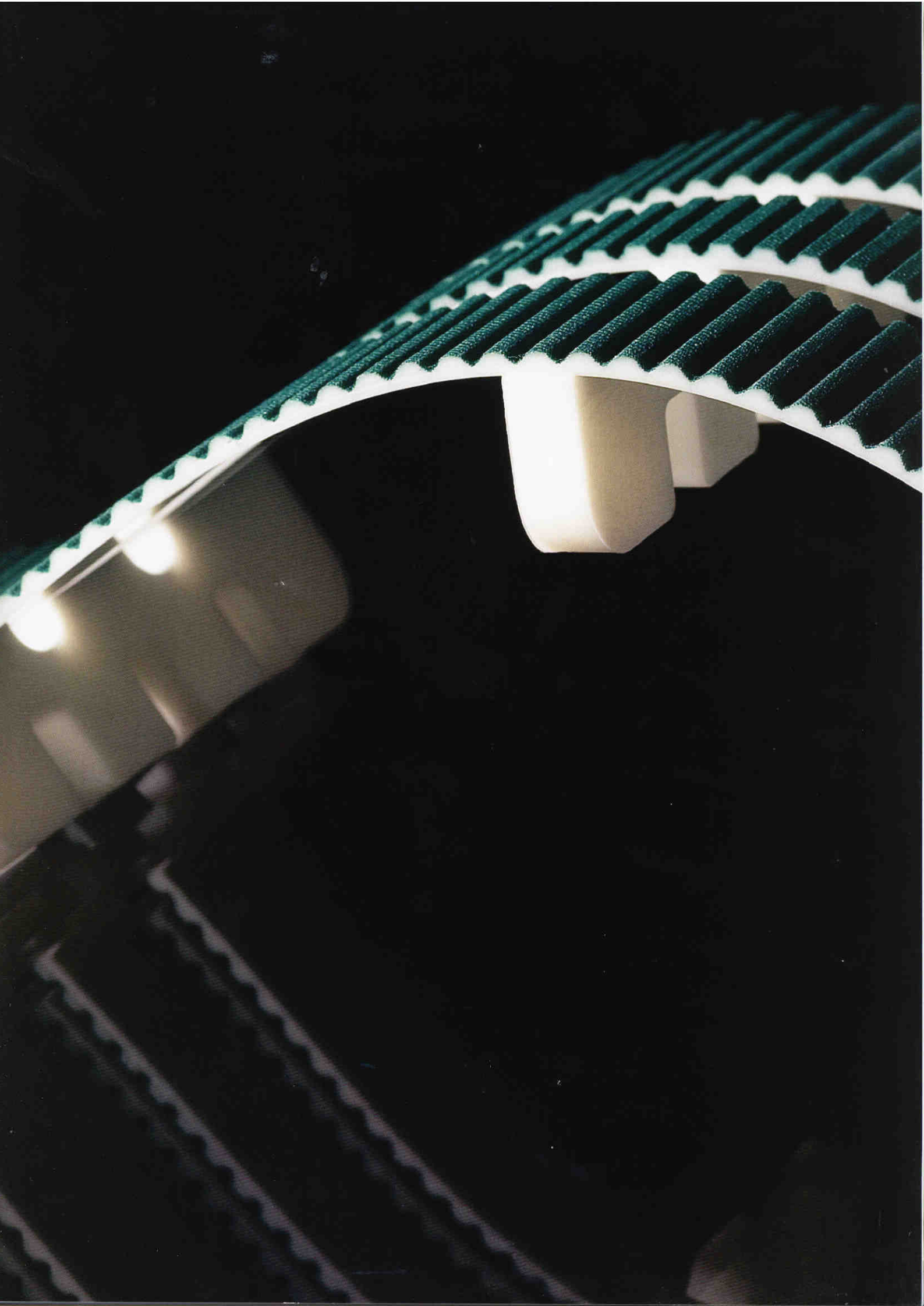


**Profil Section DS8M**

(nur Mittelwerte nominal dimensions – mm)

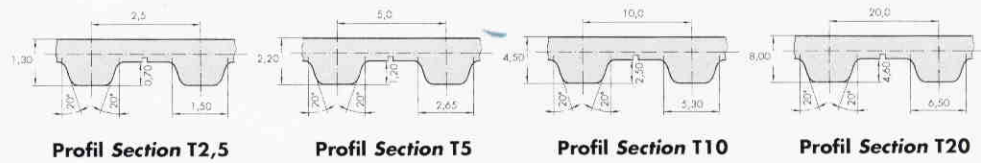


**Power Transmission**

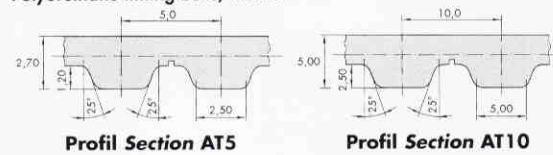




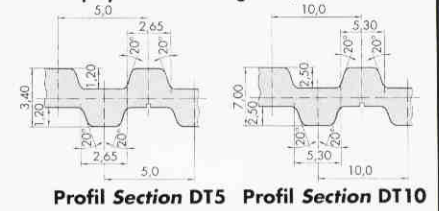
Zahnriemen aus Polyurethan, metrisch *Polyurethane timing belts, metric*



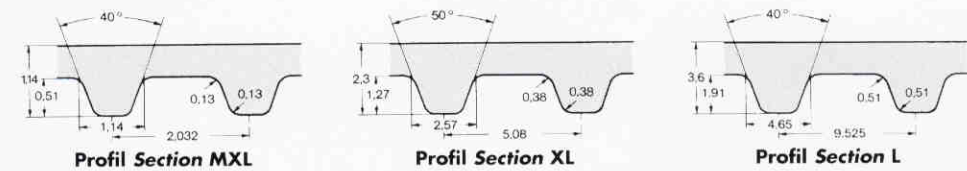
Zahnriemen aus Polyurethan, metrisch *Polyurethane timing belts, metric*



Doppelzahnriemen aus Polyurethan, metrisch *Double polyurethane timing belts, metric*



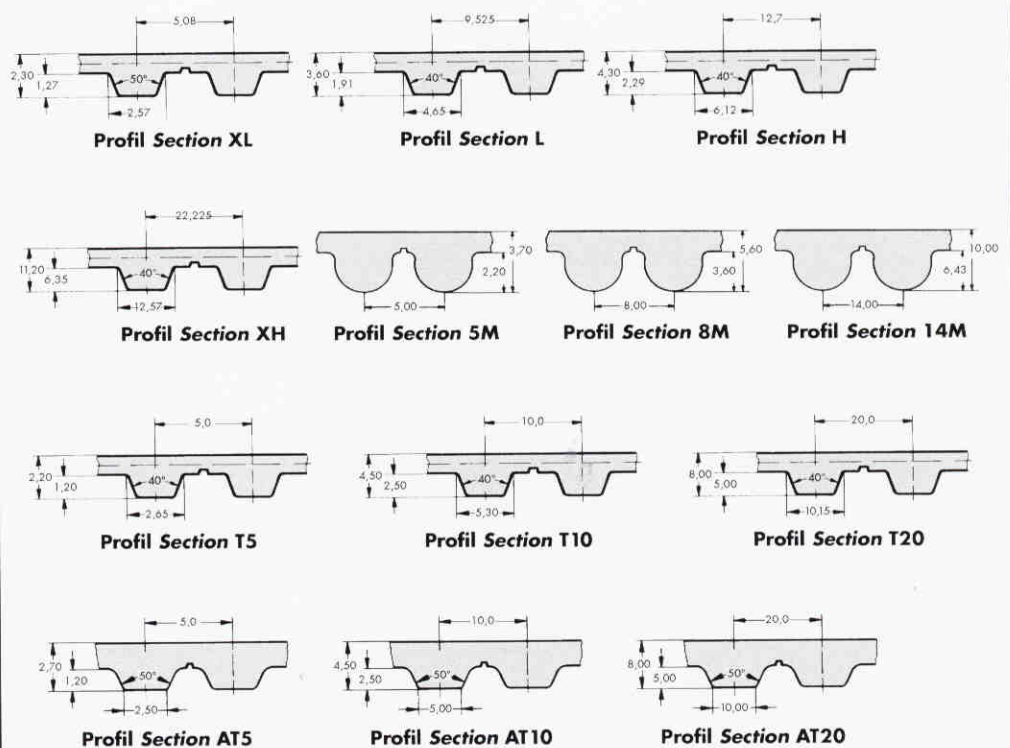
Zahnriemen aus Polyurethan, zöllig *Polyurethane timing belts, inch*  
(nur Mittelwerte nominal dimensions – mm)



Aufbau: Polyurethan mit Stahlzugstrang *Construction: Polyurethane with steel tension cord*



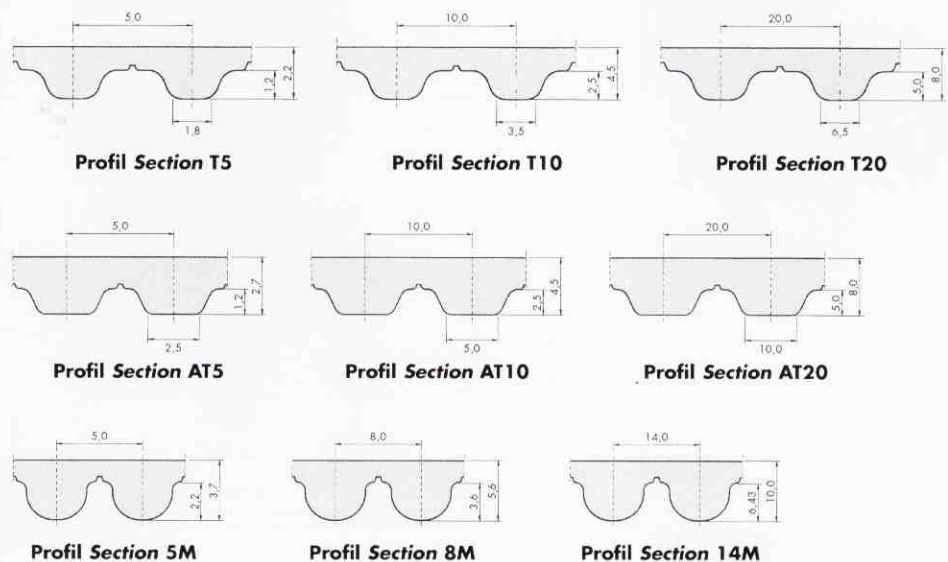
Zahnriemen als Meterware (endlich) oder endlos verschweißt *Open-ended or joined endless timing belting*



Aufbau: Polyurethan mit Aramid- oder Stahlzugstrang *Construction: Polyurethane with aramid or steel tension cord*



Zahnriemen aus Polyurethan, endlos gefertigt *Polyurethane timing belting, endless manufactured*



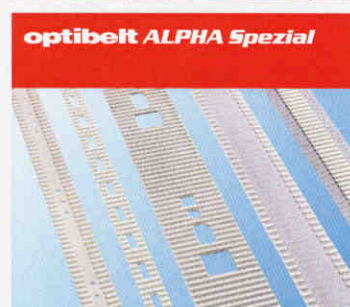
Aufbau: Polyurethan mit Stahlzugstrang *Construction: Polyurethane with steel tension cord*



**optibelt ALPHA Spezial**  
mit Nocken *with cleats*



**optibelt ALPHA Spezial**  
mit Beschichtungen *with coatings*



**optibelt ALPHA Spezial**  
mit mechanischer Bearbeitung *with mechanical finishing*

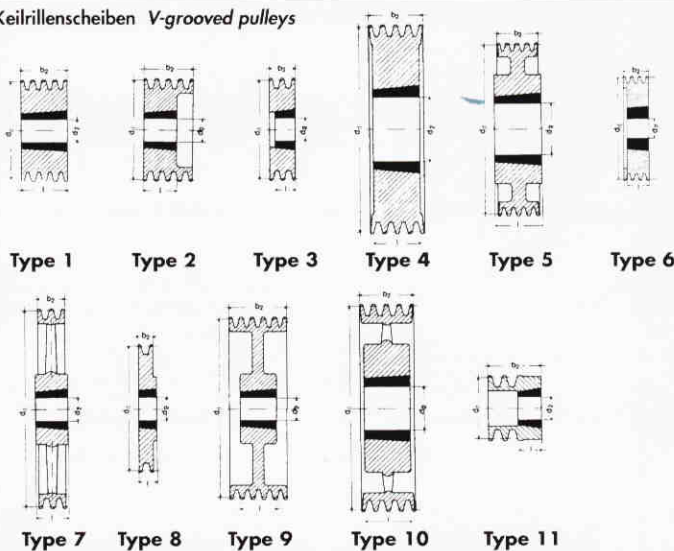
# Keilrillenscheiben Keilrippenscheiben Zahnscheiben

# V-Grooved Pulleys Ribbed Belt Pulleys Timing Belt Pulleys

## optibelt KS Keilrillenscheiben V-Grooved Pulleys



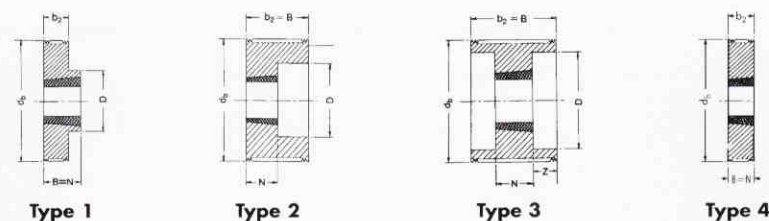
### Keilrillenscheiben V-grooved pulleys



## optibelt RBS Keilrippenscheiben Ribbed Belt Pulleys



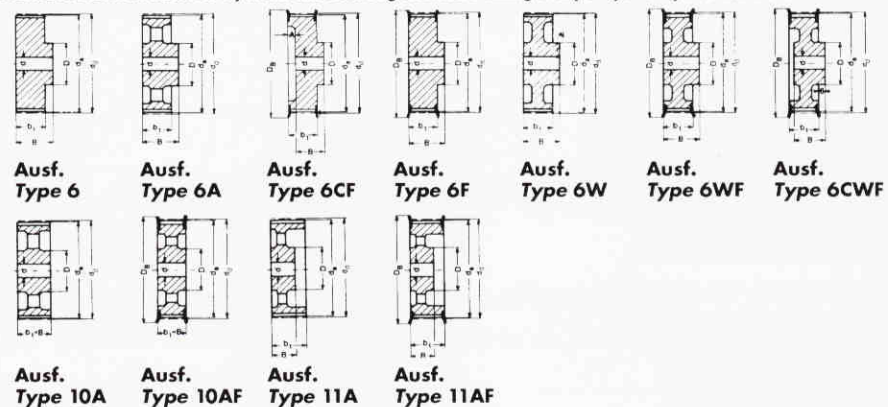
### Keilrippenscheiben Ribbed belt pulleys



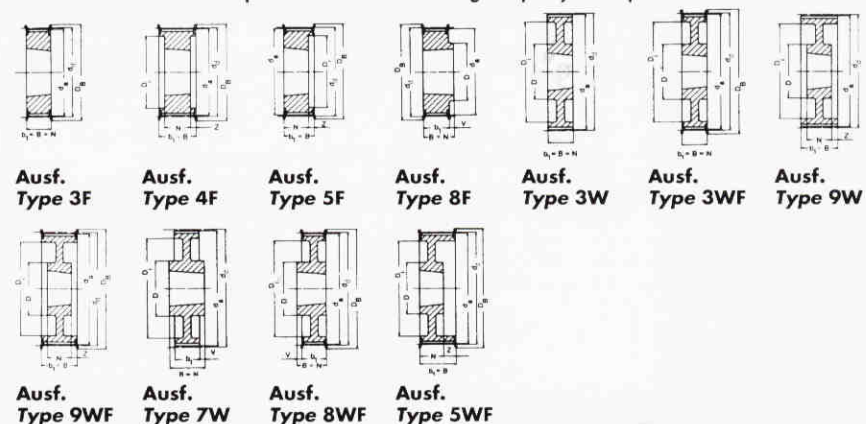
## optibelt ZRS Zahnscheiben Timing Belt Pulleys



### Standard-Zahnscheiben für zylindrische Bohrung Standard timing belt pulleys for cylindrical bore



### Standard-Zahnscheiben für Taper-Buchsen Standard timing belt pulleys for taper bushes



[www.optibelt.com](http://www.optibelt.com)



**Power Transmission**

optibelt

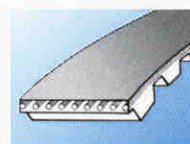
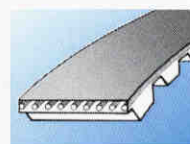


## Lieferprogramm Product Range



Power Transmission

- **optibelt RED POWER II**  
Hochleistungs-Schmalkeilriemen,  
wartungsfrei  
High performance wedge belts,  
maintenance-free
- **optibelt BLUE POWER**  
Hochleistungs-Schmalkeilriemen  
High performance wedge belts
- **optibelt SK**  
Schmalkeilriemen  
Wedge belts
- **optibelt VB**  
Klassische Keilriemen  
Classical V-belts
- **optibelt DK**  
Doppelkeilriemen  
Double section V-belts
- **optibelt Super X-POWER M-S**  
Keilriemen, flankenoffen,  
formgezahnt  
V-belts, raw edge,  
moulded cogged
- **optibelt Super KBX-POWER**  
Kraftbänder, flankenoffen  
Kraftbands, raw edge
- **optibelt KB RED POWER II**  
Hochleistungs-Kraftbänder  
High performance kraftbands
- **optibelt KB**  
Kraftbänder  
Kraftbands
- **optibelt SUPER VX**  
Breitkeilriemen, flankenoffen,  
formgezahnt  
Variable speed belts,  
raw edge, moulded cogged
- **optibelt SUPER DVX**  
Doppel-Breitkeilriemen,  
flankenoffen, formgezahnt  
Double section variable speed belts,  
raw edge, moulded cogged



- **optibelt ZR**  
**optibelt ZR linear**  
Zahnriemen aus Chloropren  
Chloroprene timing belts
- **optibelt OMEGA HL**  
**optibelt OMEGA HP**  
**optibelt OMEGA FanPower**  
**optibelt OMEGA**  
**optibelt OMEGA linear**  
Zahnriemen aus Chloropren  
Chloroprene timing belts
- **optibelt ALPHA Power**  
**optibelt ALPHA**  
**optibelt ALPHA linear / V**  
**optibelt ALPHAflex**  
Zahnriemen aus Polyurethan  
Polyurethane timing belts
- **optibelt RB**  
Rippenbänder  
Ribbed belts
- **optibelt RR / RR PLUS**  
Kunststoffrundriemen  
Plastic round section belting
- **optibelt KK**  
Kunststoffkeilriemen  
Plastic V-belt
- **optimat OE**  
Endliche Keilriemen  
DIN 2216, gelocht  
Open-ended V-belt, punched
- **optibelt K5**  
Keilrillenscheiben  
V-grooved pulleys
- **optibelt ZRS**  
Zahnriemenscheiben  
Timing belt pulleys
- **optibelt RB5**  
Rippenbandscheiben  
Ribbed belt pulleys
- **optibelt Service KIT**