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**optibelt**

Products & Applications

# *Super X-POWER*



Drive solutions with **Optibelt**

# optibelt *Super X-POWER M=S\**

## Moulded Cogged, Raw Edge Wedge Belts

Consistent further development of the production process, improved materials, low-stretch polyester cords and optimised moulded cogs are the basis for this new belt generation.

Optibelt Super X-POWER M=S allow complex drive solutions in the whole area of machine construction under the most difficult conditions and extreme operational demands.

### Advantages

- High performance, raw edge, moulded cogged
- Increase in performance of up to 15 %
- Extremely low stretch
- Extended maintenance intervals – low maintenance
- Optimised running characteristics
- Excellent heat and oil resistance
- Can be used in sets without further measurement, M=S
- Energy and weight saving

## Examples of Applications

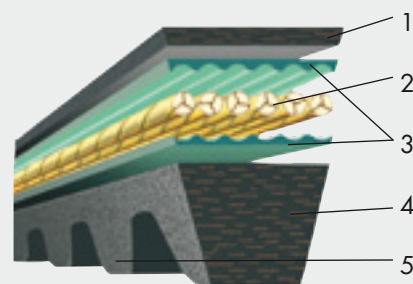
### Machine tools

- Compressors
- Fans
- Soil compactors
- Pumps
- Wood working machines
- High performance saws
- Special machines

### Machine tools

- Lathes and drills
- Grinders

**\* M=S can be used in sets without further measurement**



- 1 Belt outer surface/cover fabric
- 2 Tension cord, low-stretch polyester
- 3 CR/cushion compound
- 4 Base compound/CR compound with transverse fibres
- 5 Moulded cog

### Sections:

XPZ; XPA; XPB; XPC;  
3VX/9NX; 5VX/15NX

### Dimensions:

587 to 3550 mm  
standard range

### V-grooved pulleys:

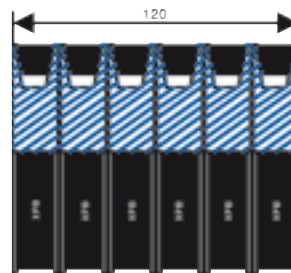
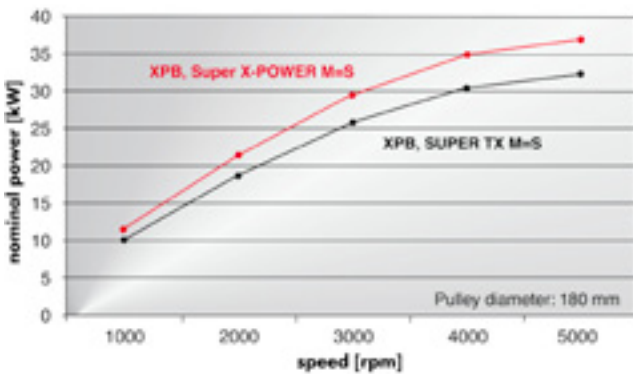
all standard pulleys  
special pulleys on request



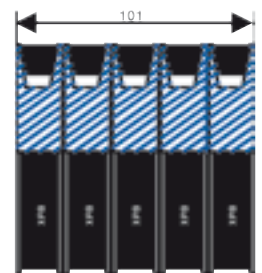
## M=S "Matched Sets"

All Optibelt Super X-POWER M=S V-belts may be used in sets without further measurement. Special manufacturing techniques ensure the achievement of minute length tolerances. That is why V-belts of the same nominal length can be made into sets arbitrarily. Set code numbers and the tying into sets are not necessary. As a result, warehousing and other costs are reduced.

## Power comparisons

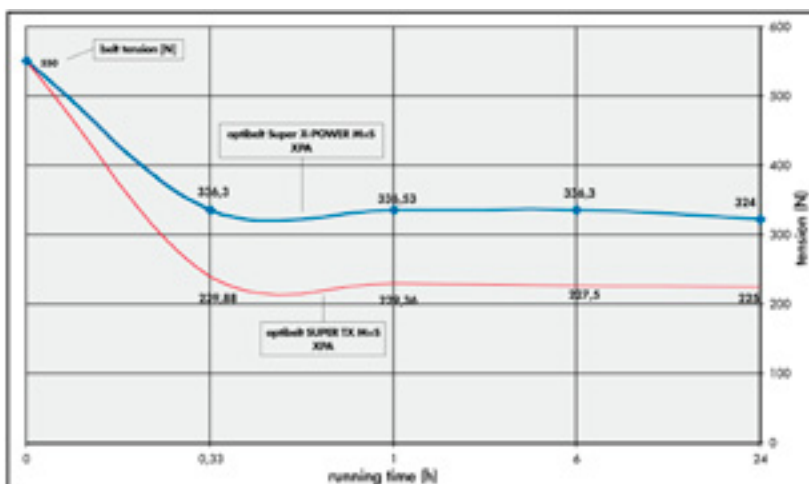


Optibelt SUPER TX  
b = 120 mm



Optibelt Super X-POWER  
b = 101 mm

## Comparative test: tension behaviour (N), power P = 13.0 kW, n<sub>1</sub> = 4700 min<sup>-1</sup>



## Test result:

Optibelt Super X-POWER M=S belts display an improved tension behaviour compared to SUPER TX M=S belts. The fibre-reinforced belt substructure together with the low-stretch polyester tension cord and the optimised moulded cog lead to more dynamic and effective power transmission.



## Lieferprogramm Product Range



1 5	<b>optibelt RED POWER II</b> <b>optibelt KB RED POWER II</b> Hochleistungs-Schmalkeilriemen, wartungsfrei <i>High performance wedge belts, maintenance-free</i>	1	2	3	4	14	<b>optibelt OMEGA HL</b> <b>optibelt OMEGA HP</b> <b>optibelt OMEGA FanPower</b> <b>optibelt OMEGA linear</b> Zahnriemen aus Chloropren <i>Chloroprene timing belts</i>
2 6	<b>optibelt BLUE POWER</b> <b>optibelt KB BLUE POWER</b> Hochleistungs-Schmalkeilriemen <i>High performance wedge belts</i>	5	6	7	8	15	<b>optibelt ALPHA Power</b> <b>optibelt ALPHA</b> <b>optibelt ALPHA linear / V</b> <b>optibelt ALPHAflex</b> Zahnriemen aus Polyurethan <i>Polyurethane timing belts</i>
3 7	<b>optibelt SK</b> <b>optibelt KB SK</b> Schmalkeilriemen <i>Wedge belts</i>	9	10	11	12	16	<b>optimat OE</b> Endliche Keilriemen DIN 2216, gelocht <i>Open-ended V-belt, punched</i>
4 8	<b>optibelt VB</b> <b>optibelt KB VB</b> Klassische Keilriemen <i>Classical V-belts</i>	13	14	15	16	17	<b>optibelt DK</b> Doppelkeilriemen <i>Double section V-belts</i>
9	<b>optibelt Super X-POWER M-S</b> Keilriemen, flankenoffen, formgezahnt <i>V-belts, raw edge, moulded cogged</i>	17	18	19	20	18	<b>optimat RB</b> Rippenbänder <i>Ribbed belts</i>
10	<b>optibelt Super KBX-POWER</b> Kraftbänder, flankenoffen <i>Kraftbands, raw edge</i>	21	22	23	24	19	<b>optibelt RB</b> Rippenbänder <i>Ribbed belts</i>
11	<b>optibelt SUPER VX</b> Breitkeilriemen, flankenoffen, formgezahnt <i>Variable speed belts, raw edge, moulded cogged</i>					20	<b>optibelt RR / RR PLUS</b> Kunststoffrundriemen <i>Plastic round section belting</i>
12	<b>optibelt SUPER DVX</b> Doppel-Breitkeilriemen, flankenoffen, formgezahnt <i>Double section variable speed belts, raw edge, moulded cogged</i>					21	<b>optibelt KK</b> Kunststoffkeilriemen <i>Plastic V-belt</i>
13	<b>optibelt ZR</b> <b>optibelt ZR linear</b> Zahnriemen aus Chloropren <i>Chloroprene timing belts</i>					22	<b>optibelt KS</b> Keilrillenscheiben <i>V-grooved pulleys</i>
						23	<b>optibelt ZRS</b> Zahnriemenscheiben <i>Timing belt pulleys</i>
						24	<b>optibelt RBS</b> Rippenbandscheiben <i>Ribbed belt pulleys</i>
							<b>optibelt SERVICE KIT</b>

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