

Products & Applications

TruckPOWER

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Power Transmission

Drive solutions with Optibelt

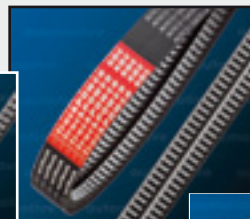
optibelt TruckPOWER



High technology
from original equipment
manufacturer!



Ribbed Belts **RBK**



Kraftbands **KBX**

V-Belts
MARATHON 2



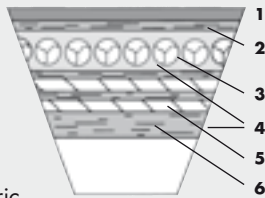
Repair Sets **KIT**



optibelt *TruckPOWER MARATHON 2* **M=S***



MARATHON 2 M=S



- 1 Cover fabric
- 2 Polychloroprene-rubber compound with traverse textile fibres
- 3 Low-stretch polyester cord
- 4 High adhesion polychloroprene-rubber compound (cushion strip)
- 5 Cross-cord fabric
- 6 Polychloroprene-rubber compound with traverse textile fibres



Sections:

AVX 10; AVX 13; AVP 13

Sizes:

AVX 10 from 1475 to 1725 mm
AVX 13 from 700 to 2150 mm
AVP 13 from 2018 to 2575 mm

Additional sizes on request.



Power Transmission

V-Belts Raw Edge, Moulded Cogged

The precision ground MARATHON 2 M=S, unmeasured, can be used in sets and is constructed for the highest loads. It is characterised by economic efficiency and optimal operational safety. It is not affected by slipping and is extremely resistant to wear. In spite of its high performance, multiple belt drives are amazingly low-vibration due to their section accuracy.

Features:

- Significant cost savings (e. g. storage costs)
- Unmeasured, can be used in sets
- Reinforced construction
- High power transmission
- High level of operational safety
- Maintenance-free operation
- Exceptional abrasion resistance
- Smooth running

The Optibelt TruckPOWER MARATHON 2 M=S is maintenance-free endurance for all commercial vehicles.

***M=S can be used in sets unmeasured**

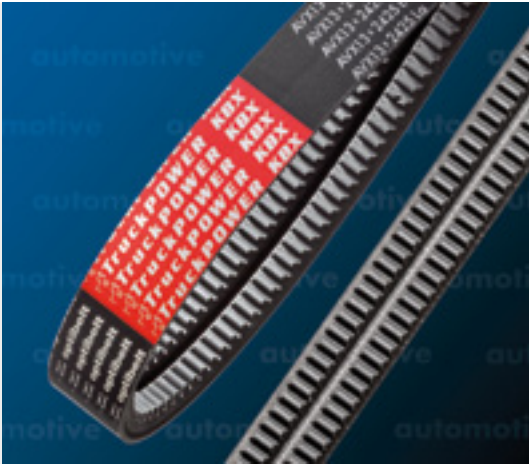
Advantages of use

- Raw edge, moulded cogged ■ High power transmission, small pulley diameter, high engine speed
- Fibre filled base compound ■ High abrasion resistance, not affected by slip
- Transverse cord in the substrate ■ High transverse rigidity and flexibility, resistant to wear, longer operational life
- Polyester tension cord ■ Excellent tension behaviour, low-stretch, maintenance-free
- M=S version ■ Precision ground, unmeasured, can be used in sets (**Matched Sets**), high section accuracy and smooth running

Areas of application:

For commercial vehicles and buses, especially for optional equipment, e. g. air conditioning compressors, auxiliary fans, power steering, generators, air compressors – unmeasured, can be used in sets for multiple belt drives

optibelt *TruckPOWER KBX*



Kraftbands Raw Edge, Moulded Cogged

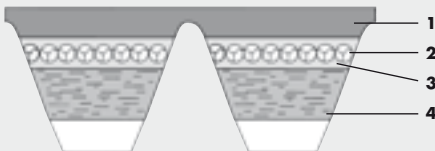
Optibelt kraftbands are compact drive elements with single belt characteristics. They are used for long wheel bases, high powers, and strong vibrations, e.g. for air compressors, air conditioning compressors, and fans. Vehicle manufacturers can depend on Optibelt kraftbands with their crack-resistant, transversely rigid top surface or their precision ground belt substrate.

Features:

- Maintenance-free operation
- Very smooth running
- Exceptional abrasion resistance

Optibelt TruckPOWER KBX are especially well suited for critical drives in commercial vehicles and buses.

KBX



- 1 Top surface made of wear resistant polychloroprene-rubber compound
- 2 Low-stretch polyester cord
- 3 High adhesion polychloroprene-rubber compound (cushion strip)
- 4 Polychloroprene-rubber compound with textile fibres

Sections:

AVX 10 – 2 ribs
AVX 13 – 2 ribs
XPB – 2 ribs

Sizes:

2 – AVX 10 from 1375 to 1725 mm
2 – AVX 13 from 1150 to 2425 mm
2 – XPB from 1650 to 2100 mm
Additional sizes on request.

Advantages of use

- Raw edge, moulded cogged ■ *High power transmission, small pulley diameter, high engine speed*
- Top surface ■ *Good transverse rigidity, forced straight running, very smooth running even with problematic drives, no twisting in the grooved pulleys*
- Fibre filled base compound ■ *High abrasion resistance, not affected by slip*
- Polyester tension cord ■ *Excellent tension behaviour, low-stretch, maintenance-free*

Areas of application:

For driving ancillary equipment for commercial vehicles and buses



Power Transmission

optibelt *TruckPOWER RBK*



Ribbed Belts

New motor drives are becoming more and more compact, with small pulley diameters and low profiles common. Extremely elastic and dimensionally stable, Optibelt ribbed belts adapt to the drive geometry accordingly. They thread their way through the labyrinth of serpentine drives. Very quiet and smooth, the ribbed belt ensures complete control of all systems.

Features:

- High transmission ratios
- High power transmission
- Minimal slip
- Oil and temperature-resistant to a high degree
- Vibration free and quiet
- Exceptional load capacity

Optibelt TruckPOWER RBK ribbed belts ensure the ancillary equipment is driven in commercial vehicles and buses. The vibration-absorbing belts provide the generator, the air conditioning compressor and the power steering pump with the right spin.

RBK



- 1 Top surface:** resistant to wear polychloroprene-rubber compound
- 2 Tension cord:** low-stretch polyester cord
- 3 Cushioning:** high adhesion polychloroprene-rubber compound (cushion strip)
- 4 Base compound:** polychloroprene-rubber compound

Sections:

PK

Sizes:

- 4 PK from 1025 to 1065 mm
- 5 PK from 1010 to 1540 mm
- 6 PK from 880 to 1255 mm
- 7 PK from 870 to 2355 mm
- 8 PK from 800 to 2605 mm
- 9 PK from 1200 to 4145 mm
- 10 PK from 1070 to 2240 mm
- 11 PK from 1515 to 2835 mm
- 12 PK from 1165 to 2500 mm
- 15 PK from 938 to 954 mm

Additional sizes on request.

Advantages of use

- Unit of trapezoidal ribs made of fibre-reinforced base compound ■ *High power transmission, high wear-resistance, good smooth running*
- Single belt characteristic ■ *Insensitive to vibration during pulsating operation and shock-like loads*
- Polyester tension cord ■ *Excellent tension behaviour, low-stretch*
- Minimum cross section ■ *Very flexible, extremely small pulley diameter, serpentine drive (using reverse idlers), good radiation of heat, long operational life*

Areas of application:

For driving ancillary equipment in commercial vehicles and buses



Repair Sets for Commercial Vehicles



optibelt

TruckPOWER KIT

Today's commercial vehicles have a system of ribbed belts and automatic tensionors for driving the ancillary equipment; every system is only as good as its weakest link. That's why Optibelt recommends replacing all ancillary components at the same time.

The advantages are appreciated by every fleet operator:

- Fewer stays in the workshop
- Less downtime for the vehicle
- More satisfied customers because of increased reliability
- Less disturbance of business workflow

With the TruckPOWER KIT, Optibelt offers you optimal maintenance options in OEM quality for the most common commercial vehicles.

Optibelt recommends the following service and maintenance intervals for Optibelt TruckPOWER KITS:

Trucks and Vans

Local and Long Distance Traffic

- Check every 60,000 km
- Change after 120,000 km

Trucks and Vans

Construction Site Operation

- Check every 40,000 km
- Change after 80,000 km

Coaches

- Check every 50,000 km
- Change after 100,000 km

City Buses

- Check every 40,000 km
- Change after 80,000 km

Consult the current documents or the TecDoc for the assignments.





optibelt TT-A
Frequency tension tester

Frequency tension tester for the universal tension measuring of timing belts and ribbed V-belts



optibelt TT-3
Frequency tension tester

Frequency tension tester for the universal tension measuring of V-belts, timing belts and ribbed V-belts including data base divided into product groups



optibelt MT-A

(Mounting Tool – Automotive)
for the safe and professional installation of elastic EPK ribbed belts



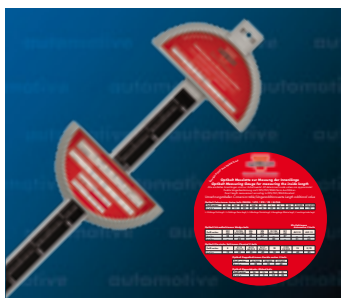
optikrik I, II, III
Belt tension gauges

The gauges reliably check whether the V-belt, the kraftband or the ribbed belt is tensioned correctly.



optibelt laser pointer II

The Optibelt laser pointer II simplifies the alignment of belt drives. It furthermore helps to determine the most common causes of drive failures.



optibelt Measuring Gauge

for V-belts, timing belts and ribbed belts

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