

Maintenance-free V-belts, no re-tensioning required.



New materials and the use of state-of-the-art design technology have brought forth the development of bandless V-belts outperforming all V-belts of a comparable size in many fields of application. The use of the Quad- Power® 4 makes re-tensioning of the belt and therefore downtimes of the machine dispensable.

In contrast to conventional V-belts, the bandless Quad-Power® 4 V-belt does not sustain any substantial loss of tension in the first hours after the installation. This makes re-tensioning dispensable. The continuous contact between the disk and the V-belt ensures an energy efficiency of 98%.

Highlights

- 100% trouble- and maintenance-free V-belt
- Thanks to the stable tension, re-tensioning at regular intervals is unnecessary and downtimes are reduced
- State-of-the-art EPDM rubber technology
- Largest temperature range in the whole industry: from -50°C to +130°C
- UNISET-compatible
- Highest energy efficiency due to ultra-modern profiling technologies

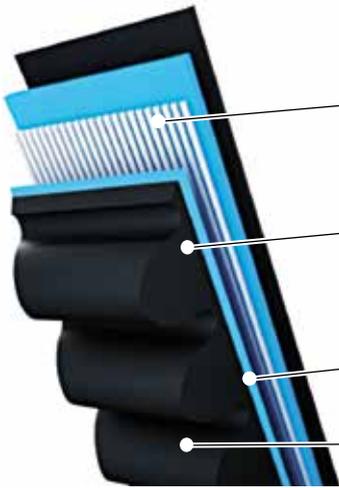
100%
maintenance-
free

98%
energy
efficiency

Temperature
-50°C up to
+130°C

UNISET
inter-
changeable

Quad-Power® 4 – maintenance-free V-belt.



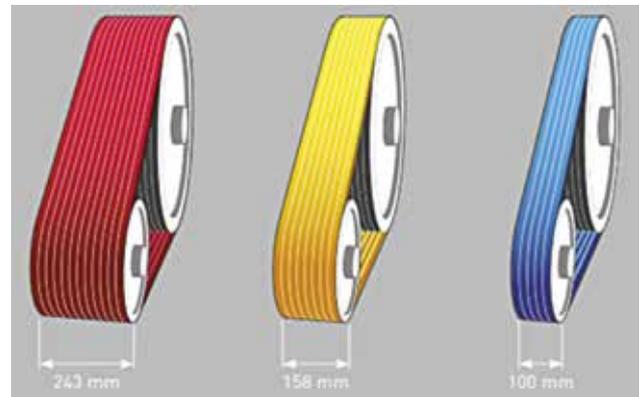
Structure/function

1. Minimal-elongation polyester tensile **cords** for stable tension over the entire lifetime.
2. **New generation EPDM rubber compound** for a **long service life** and a wear-resistant belt under extreme temperatures.
3. Blue adhesion layer for an **extra strong bonding** of the cords and the rubber compound.
4. **Optimized notch** form for reduced bending stress and improved efficiency.

The high-grade construction provides the belt with a **much higher power density** than classical V-belts, allowing for a **more compact drive design** and resulting in reduced drive width, weight and costs. Furthermore, the Quad-Power® 4 features a specially engineered moulded notch shape that reduces bending stresses.

Consequently, it shows improved flexibility for increased performance on small pulley diameters. The exceptional flexibility also gives the belt excellent reversed bending properties when backside idlers are used.

All lengths and sections of the Quad-Power® 4 V-belt range meet Gates **UNISET tolerances** meaning that no matching is required. Each Quad-Power® 4 belt is manufactured with a finite length tolerance so that any Quad-Power® 4 belt will match and perform with any other Quad-Power® 4 belt of the same size and type.



Hi-Power®
12 x B46
Expected belt
service life
25,000 h

Super HC®
8 x SPB1250
Expected belt
service life
25,000 h

Quad-Power®4
5 x XPB1250
Expect belt
service life
25,000 h

The service-free belt is not only available in every popular size as single belt, but also in the sturdy PowerBand® execution for extremely high shock-loaded or vibration-prone drives. The PowerBand® construction offers a solution for higher load transmissions.

	Profil	Lengths
Single belt	XPZ/3VX	600 – 3,550
	XPA	690 – 4,000
	XPB/5VX	1,000 – 5,070
	XPC	1,900 – 5,000

	Profil	Lengths
PowerBand®	XPZ	800 – 3,550
	XPA	800 – 4,000
	XPB	1,250 – 4,750
	3VX*	635 – 3,555
	5VX*	1,270 – 5,080

* Distributed under the brand name Super HC® Molded Notch PowerBand®

We will be happy to advise you with regard to individual dimensioning and any other questions you may have.