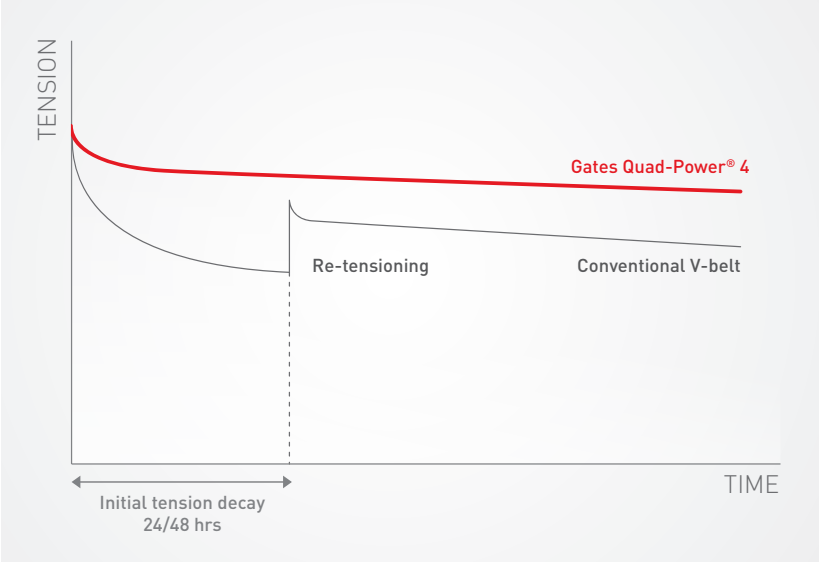
Quad-Power® 4

Now 100% trouble & service free

Service-free V-belts. No re-tensioning required!

By using innovative minimal-stretch cord technology, Gates has designed the industry's first bandless zero-maintenance V-belt. Unlike conventional belts, the Quad-Power® 4 bandless V-belt does not suffer from severe tension decay in the first hours after installation. So no run-in period nor any re-tensioning are required. Imagine how convenient this is for difficult-to-reach belt drives. No re-tensioning means no machine or production downtime. The new Quad-Power® 4 service-free V-belts reduce downtime costs for maintenance and plant engineers.



TENSION STABILIZATION

V-belts must be at optimal tension to perform efficiently. Incorrect belt tension does not only lead to inefficient power transmission but also to premature belt wear and failure. Gates new generation of V-belts are specifically designed to maintain stable tension over their entire lifetime without the need for periodic re-tensioning. With Quad-Power® 4 belts fewer replacements need to be carried out, saving again on downtime and material costs.

PAY ATTENTION TO INITIAL INSTALLATION TENSION

Installation tension is highly important to optimize the service-free capabilities of your Quad-Power® 4 belts. To maximize your belt life: consult Gates DesignFlex® Pro™ software to calculate the initial installation tension and use Gates Sonic Tension Meter to apply the correct tension. More information: www.gates.com/europe/STM

Groundbreaking technology

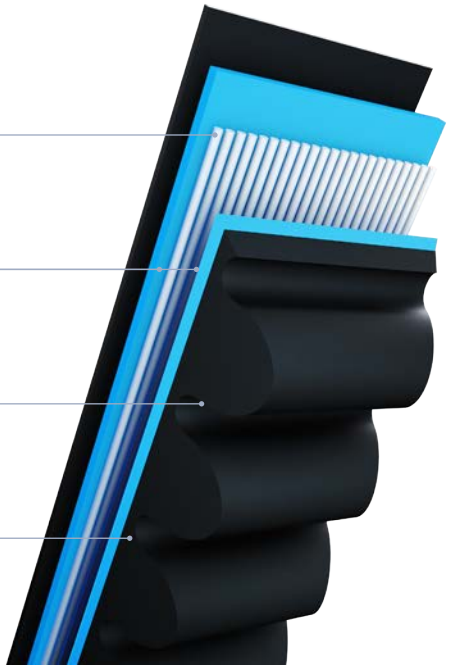
New materials and the use of advanced-design technology have led to a new generation of raw edge V-belts that outperform all similarly sized belts in a wide range of applications.

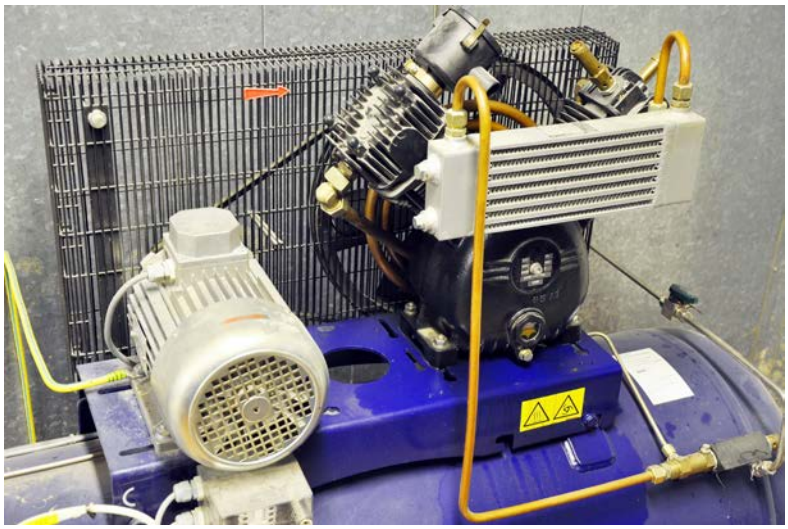
Minimal-elongation polyester tensile cords allow for stable tension over the entire lifetime.

Blue adhesion layer for an extra strong bonding of the tensile cords and the rubber compound.

Optimized notch form for reduced bending stress and improved efficiency.

New generation EPDM rubber compound to ensure a long service life and a wear-resistant belt under extreme temperatures.





NEW MATERIALS. MORE BENEFITS.

Back in 2009 already, Gates pioneered with a Quad-Power® V-belt range featuring advanced EPDM rubber resulting in a new standard for V-belts with a considerably **longer service life** than conventional belts. Today, Gates has further optimised the EPDM rubber compound and is the first to add a new and innovative cord design that resists stretch better than ever. Gates Quad-Power® 4 belt is the industry's first **service-free bandless V-belt that guarantees greater efficiency and lower costs.**

Uniset matching for your convenience

SERVICE-FREE!

All lengths and sections of the Quad-Power® 4 V-belt range meet Gates UNISET tolerances meaning that **no matching is required**. For over 50 years, Gates has successfully used the same matching standards for every size and length saving distributors and end-users the time and trouble finding the correct belts. Not having a matched set of V-belts prevents the belts working together as a team on the application and compromises the transmission of the maximum load leading to less efficient drives.

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.

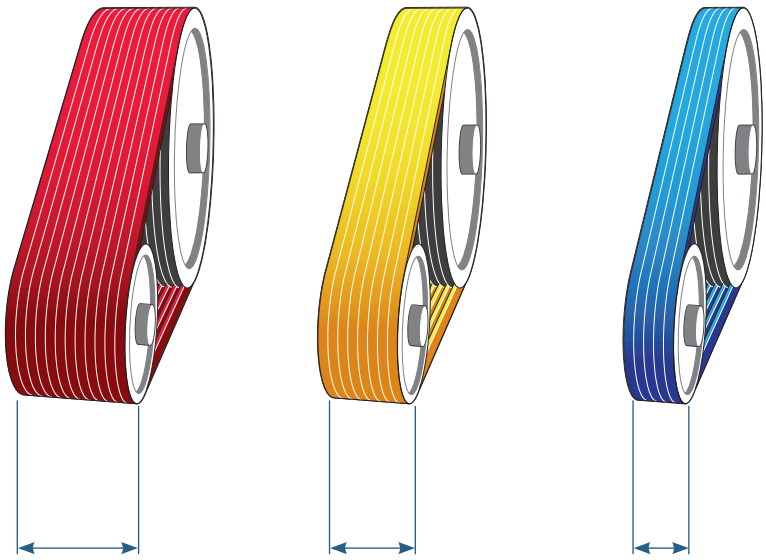
Maximum energy efficiency

The new bandless, moulded notch construction does not only save on downtime and maintenance costs. By using state-of-the-art profiling technology the Quad-Power® 4 belt guarantees consistent pulley/belt contact resulting in energy efficiencies as high as 98% which is 3% higher than wrapped V-belts. Installing Quad-Power® 4 belts means delivering lower energy consumption and an improved drive performance at the same time.

THE SOLUTION FOR COMPACT DRIVES

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.

> The Gates Quad-Power® 4 belt allows for a more compact drive design resulting in reduced drive width, weight and costs



Hi-Power®	Super HC®	Quad-Power® 4
12 x B46	8 x SPB1250	5 x XPB1250
belt life:	belt life:	belt life:
25000 hr	25000 hr	25000 hr

Perfect belts for imperfect conditions

No matter how harsh the operating environment, the new Quad-Power® 4 V-belt remains crack and damage-free in extremely high and low temperature conditions.

LONGER LIFE AT EXTREME TEMPERATURES

The second generation of EPDM V-belts from Gates have the widest temperature range in the market. The Quad-Power® 4 belt maintains its exceptional performance in extreme cold conditions as low as -50 °C.

The newly formulated EPDM rubber material resists hardening to avoid cracking in temperatures up to +130 °C making the Quad-Power® 4 belt the ideal solution for hot air HVAC applications or other high temperature environments.

Convenience and peace-of-mind for every application

BELT RANGE AND SIZES

A demanding drive? Harsh conditions? The Quad-Power® 4 family of belts has a solution for all of your belt drive problems. This 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. A Gates Quad-Power® 4 PowerBand® construction also offers a solution for higher load transmissions.

	SECTION	LENGTH
Single	XPZ/3VX	600 – 3550
	XPA	690 – 4000
	XPB/5VX	1000 - 5070
	XPC	1900 - 5000

	SECTION	LENGTH
PowerBand®	XPZ	800 – 3550
	XPA	800 – 4000
	XPB	1250 - 4750
	3VX*	635 - 3555
	5VX*	1270 - 5080

*Branded as Super HC® Molded Notch PowerBand®

ORDERING CODES ARE COMPOSED AS FOLLOWS:

Quad-Power® 4

XPZ600 — XPZ – Section — 600 – Datum length (mm)

or

3VX238 — 3VX – Section — 238 = 23.8 inch effective length

Quad-Power® 4 PowerBand®

XPZ800/2
XPZ – Section
800 – Datum length (mm)
2 – Number of ribs

ALL DIMENSIONS ARE AVAILABLE FROM STOCK

For a complete overview of sizes listings visit: www.quad-power4.com

MORE BENEFITS FROM QUAD-POWER® 4

- REACH and RoHS compatible
- ATEX compatible (ISO1813 static conductivity)
- Halogen-free belt
- A clear branding for ease of identification
- Also available in PowerBand®
- Perfect fit on standard ISO/DIN V-pulleys and 3VX/5VX for RMA pulley grooves

Service-free. Trouble-free.

Gates Quad-Power® 4 V-belts are constructed with the most advanced technology available today. Our new generation of EPDM belts are designed for longer service life eliminating costly downtime for re-tensioning, repair and replacement.

Quad-Power® 4 V-belts bring you

- Greater efficiency
- Less downtime
- Fewer replacements
- Higher performance
- Wider temperature range

For more information

visit www.quad-power4.com

Your distributor:

www.quad-power4.com

E2/20203

The manufacturers reserve the right to amend details where necessary.

© Gates Corporation 2016.

Printed in Belgium - 00/16.