



## HEAVY-DUTY V-BELTS

# QUAD-POWER® III

*Raw edge, moulded notch, narrow section V-belt*

Because of today's increasing maintenance and energy costs, industry is becoming more aware of ways to improve efficiency and reduce operating expenses. Eliminating losses in power transmission systems can translate into large savings. Gates leads the way in the development of cost and energy efficient belt drive systems and now brings you its new generation of Quad-Power® III notched raw edge narrow section V-belts. Gates Quad-Power® III belts deliver higher power ratings, increased trouble-free service life and reduced energy consumption.

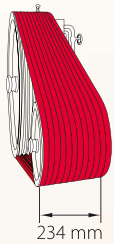


### Identification

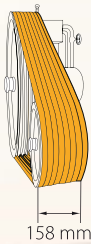
Durable blue marking indicating type and dimensions.

### Construction

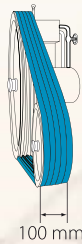
- The basic belt consists of a newly developed rubber compound which withstands chemically aggressive environments (acid and base), ageing, ozone, UV and heat. Even with severe slippage, the belt will not catch fire from heat build-up.
- High-performance fibres embodied in the compound provide improved abrasion and wear resistance.
- The outstanding cord support in the undercord section achieved by the transverse orientation of the fibres reinforces the belt's overall longitudinal flexibility and transverse rigidity.
- The special notch profile with optimised geometry ensures perfect belt stability.
- The precision-ground sidewalls give a uniform wedging action.
- The tensile section consists of high-strength, low-elongation polyester tensile cords which are embedded in a newly developed blue-coloured adhesion layer. This layer develops an extra high bonding level between tensile cords and undercord material.
- The exceptional flexibility gives the belt excellent reversed bending properties when backside idlers are used.
- **Static conductive (ISO 1813)** and can as such be used in the conditions described in the Directive 94/9/EC-ATEX.



**Hi-Power®**  
12 x B46  
belt life:  
25000 hr



**Super HC®**  
8 x SPB1250  
belt life:  
25000 hr



**Quad-Power® III**  
5 x XPB1250  
belt life:  
25000 hr

### Sections and nominal dimensions



	Width mm	Height mm
<b>XPZ/3VX</b>	10	8
<b>XPA</b>	13	10
<b>XPB/5VX</b>	16	13
<b>XPC</b>	22	18

### Advantages

- Extended temperature range: from -40°C up to +110°C.
- Extraordinary power capacity: at least 15% higher power ratings than Gates Quad-Power® II belts.
- Substantially reduced noise level.
- Smooth-running operation.
- Space savings and design freedom.
- Minimal belt tension loss.
- Long and trouble-free service life reducing replacement and maintenance costs.
- Environment-friendly: halogen-free (e.g. chlorine).
- Significantly better resistance to static ageing.
- High dimensional precision. Match system: all sizes meet and even exceed Gates **UNISET** tolerances and can be installed without matching.