



# PREDATOR®

***The highest rated and most robust V-belt  
ever designed***

Gates Predator® V-belts, Gates' most recent addition to the range, are the markets' leading V-belts. Unique in their extreme robustness and high load carrying capability they are unrivalled. They are excellent problem solvers that perform well in harsh environments and in extremely demanding applications where standard V-belts have performance issues. Where standard V-belts don't meet the challenge, Gates Predator® V-belts are the solution!

The Predator® belt difference is in the construction: they have the highest power density of any V-belt and virtually zero stretch because of the use of high strength, high modulus aramid tensile cords.

Gates Predator® V-belts are available as PowerBand® belts in SPBP, SPCP, 9JP, 15JP and 8VP sections and on demand as single belts in AP, BP, CP, SPBP and SPCP sections.

***Designed for the toughest and most aggressive applications and environments***



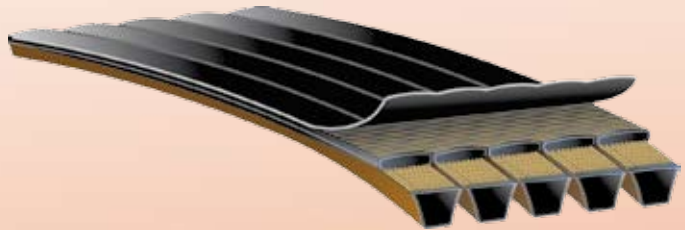
**The highest rated and most robust V-belt ever designed**

Gates Predator® V-belts are built with aramid tensile cords for unparalleled shock and stretch resistance. A specially treated double fabric cover provides abrasion resistance that is unique to Gates Predator® V-belts and makes them withstand debris, punctures, slippage and shearing

forces. The outer surface of the double fabric cover is manufactured in a bare back (non rubber impregnated) construction to provide the ability to slip gracefully under heavy shock and impulse loads. Slippage that would destroy any other belt is easily dealt with.

**Construction features**

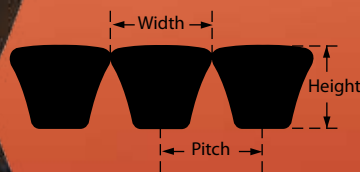
- Aramid tensile cords provide extraordinary strength, durability and virtually zero stretch.
- Double fabric cover offers extreme abrasion and wear resistance.
- Specially treated extra tough cover withstands slip and shear forces at peak loads without generating excessive heat and resists penetration by foreign materials.



- Chloroprene rubber compounds provide superb oil and heat resistance.
- Non-rubber surfaced cover allows momentary slippage due to excessive overloads without damaging the belt.

**Additional benefits**

- At least 40% higher power ratings than standard construction V-belts.
- No need for constant belt re-tensioning.
- Less maintenance, less downtime.
- Excellent problem solver.
- Available in PowerBand® and single belt construction:
  - PowerBand® belts feature a multiple layer tie band that provides excellent lateral rigidity to prevent belts from turning over or from coming off the drive.
  - Single belts are specially designed for applications where PowerBand® belts are not an option, e.g. where debris needs to pass through the space between individual belts without damaging the belt section. Predator® single belts are available on demand in lengths over 1400 mm.
- Static conductive (ISO 1813) (except for 8VP).



**Sections and nominal dimensions**

|      | Pitch<br>mm | Width<br>mm | Height<br>mm |
|------|-------------|-------------|--------------|
| SPBP | 19.00       | 16          | 13           |
| SPCP | 25.50       | 22          | 18           |
| 9JP  | 10.30       | 10          | 8            |
| 15JP | 17.50       | 16          | 13           |
| 8VP  | 28.60       | 26          | 23           |

***The highest rated and most robust V-belt ever designed***

Belt range PowerBand® belts

**SPBP**

| Description | Datum length mm |
|-------------|-----------------|
| SPBP2120    | 2120            |
| SPBP2240    | 2240            |
| SPBP2360    | 2360            |
| SPBP2500    | 2500            |
| SPBP2650    | 2650            |
| SPBP2800    | 2800            |
| SPBP3000    | 3000            |
| SPBP3150    | 3150            |
| SPBP3350    | 3350            |
| SPBP3550    | 3550            |
| SPBP3750    | 3750            |
| SPBP4000    | 4000            |
| SPBP4250    | 4250            |
| SPBP4500    | 4500            |
| SPBP4750    | 4750            |
| SPBP5000    | 5000            |
| SPBP5300    | 5300            |
| SPBP5600    | 5600            |
| SPBP6000    | 6000            |
| SPBP6300    | 6300            |
| SPBP6700    | 6700            |
| SPBP7100    | 7100            |
| SPBP7500    | 7500            |
| SPBP8000    | 8000            |

*Available up to 16 ribs.*

**SPCP**

| Description | Datum length mm |
|-------------|-----------------|
| SPCP3000    | 3000            |
| SPCP3150    | 3150            |
| SPCP3350    | 3350            |
| SPCP3550    | 3550            |
| SPCP3750    | 3750            |
| SPCP4000    | 4000            |
| SPCP4250    | 4250            |
| SPCP4500    | 4500            |
| SPCP4750    | 4750            |
| SPCP5000    | 5000            |
| SPCP5300    | 5300            |
| SPCP5600    | 5600            |
| SPCP6000    | 6000            |
| SPCP6300    | 6300            |
| SPCP6700    | 6700            |
| SPCP7100    | 7100            |
| SPCP7500    | 7500            |
| SPCP8000    | 8000            |
| SPCP8500    | 8500            |
| SPCP9000    | 9000            |
| SPCP10000   | 10000           |
| SPCP10600   | 10600           |
| SPCP11200   | 11200           |

*Available up to 12 ribs.*

**9JP**

| Description | Effective length mm |
|-------------|---------------------|
| 9JP1400     | 1400                |
| 9JP1500     | 1500                |
| 9JP1600     | 1600                |
| 9JP1700     | 1700                |
| 9JP1800     | 1800                |
| 9JP1900     | 1900                |
| 9JP2000     | 2000                |
| 9JP2120     | 2120                |
| 9JP2240     | 2240                |
| 9JP2360     | 2360                |
| 9JP2500     | 2500                |
| 9JP2650     | 2650                |
| 9JP2800     | 2800                |
| 9JP3000     | 3000                |
| 9JP3150     | 3150                |
| 9JP3350     | 3350                |
| 9JP3550     | 3550                |

*Available up to 30 ribs.*





A Tomkins Company

**15JP**

| Description | Effective length mm |
|-------------|---------------------|
| 15JP1400    | 1400                |
| 15JP1500    | 1500                |
| 15JP1600    | 1600                |
| 15JP1700    | 1700                |
| 15JP1800    | 1800                |
| 15JP1900    | 1900                |
| 15JP2000    | 2000                |
| 15JP2120    | 2120                |
| 15JP2240    | 2240                |
| 15JP2360    | 2360                |
| 15JP2500    | 2500                |
| 15JP2650    | 2650                |
| 15JP2800    | 2800                |
| 15JP3000    | 3000                |
| 15JP3150    | 3150                |
| 15JP3350    | 3350                |
| 15JP3550    | 3550                |

| Description | Effective length mm |
|-------------|---------------------|
| 15JP3750    | 3750                |
| 15JP4000    | 4000                |
| 15JP4250    | 4250                |
| 15JP4500    | 4500                |
| 15JP4750    | 4750                |
| 15JP5000    | 5000                |
| 15JP5300    | 5300                |
| 15JP5600    | 5600                |
| 15JP6000    | 6000                |
| 15JP6300    | 6300                |
| 15JP6700    | 6700                |
| 15JP7100    | 7100                |
| 15JP7500    | 7500                |
| 15JP8000    | 8000                |
| 15JP8500    | 8500                |
| 15JP9000    | 9000                |

Available up to 16 ribs.

**8VP**

| Description | Effective length mm |
|-------------|---------------------|
| 8VP1000     | 2540                |
| 8VP1060     | 2690                |
| 8VP1120     | 2845                |
| 8VP1180     | 2995                |
| 8VP1250     | 3175                |
| 8VP1320     | 3355                |
| 8VP1400     | 3555                |
| 8VP1500     | 3810                |
| 8VP1600     | 4065                |
| 8VP1700     | 4320                |
| 8VP1800     | 4570                |
| 8VP1900     | 4825                |
| 8VP2000     | 5080                |
| 8VP2120     | 5385                |
| 8VP2240     | 5690                |
| 8VP2360     | 5995                |

| Description | Effective length mm |
|-------------|---------------------|
| 8VP2500     | 6350                |
| 8VP2650     | 6730                |
| 8VP2800     | 7110                |
| 8VP3000     | 7620                |
| 8VP3150     | 8000                |
| 8VP3350     | 8510                |
| 8VP3550     | 9015                |
| 8VP3750     | 9525                |
| 8VP4000     | 10160               |
| 8VP4250     | 10795               |
| 8VP4500     | 11430               |
| 8VP4750     | 12065               |
| 8VP5000     | 12700               |
| 8VP5600     | 14225               |
| 8VP6000     | 15240               |

|      | Standard number of ribs |   |   |   |
|------|-------------------------|---|---|---|
|      | 2                       | 3 | 4 | 5 |
| SPBP | •                       | • | • | • |
| SPCP | •                       | • | • | • |
| 9JP  | •                       | • | • | • |
| 15JP | •                       | • | • | • |
| 8VP  |                         | • | • | • |

Other number of ribs available on request; see note under each chart.

Available up to 12 ribs.

Dimensions in bold are available from stock.

[www.gates.com/europe/pti](http://www.gates.com/europe/pti)

Your distributor:



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 Tel: 01709 878282 • email: sales@howcroft.co.uk • www.howcroft.co.uk

Predator® ordering code is composed as follows:  
 Example: SPBP3350/3  
 SPBP - Section  
 3350 - Datum length (mm)  
 3 - Number of ribs