



# PREDATOR<sup>®</sup>

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

Gates Predator<sup>®</sup> 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<sup>®</sup> V-belts are the solution!

The Predator<sup>®</sup> 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<sup>®</sup> V-belts are available both as Powerband<sup>®</sup> and single belts in SPBP, SPCP, 9JP, 15JP and 8VP sections.

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



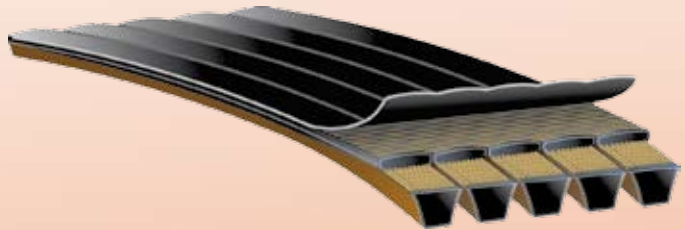
## The highest rated and most robust V-belt ever designed

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

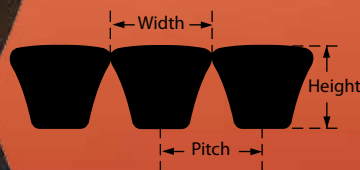
- Aramid tensile cords provide extraordinary strength, durability and virtually zero stretch.
- Double fabric cover offers extreme abrasion and wear resistance.
- Specially treated extra tough cover withstands slip and shear forces at peak loads without generating excessive heat and resists penetration 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.
- European production: static conductive (ISO 1813).



### Sections and nominal dimensions

	Pitch mm	Width mm	Height 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

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**Belt range**

**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
9JP1250	1250
9JP1320	1320
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.*



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**15JP**

Description	Effective length mm
15JP1250	1250
15JP1320	1320
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

Available up to 16 ribs.

Description	Effective length mm
15JP3550	3550
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

**8VP\***

Description	Effective length mm
8VP1000	1000
8VP1060	1060
8VP1120	1120
8VP1180	1180
8VP1250	1250
8VP1320	1320
8VP1400	1400
8VP1500	1500
8VP1600	1600
8VP1700	1700
8VP1800	1800
8VP1900	1900
8VP2000	2000
8VP2120	2120
8VP2240	2240
8VP2360	2360

Available up to 12 ribs.

\* American production.

Description	Effective length mm
8VP2500	2500
8VP2650	2650
8VP2800	2800
8VP3000	3000
8VP3150	3150
8VP3350	3350
8VP3550	3550
8VP3750	3750
8VP4000	4000
8VP4250	4250
8VP4500	4500
8VP4750	4750
8VP5000	5000
8VP5600	5600
8VP6000	6000

Dimensions in bold are available from stock.

	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.

[www.gates.eu](http://www.gates.eu)  
[www.gates.com](http://www.gates.com)

Your distributor:



A Tomkins Company

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