

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



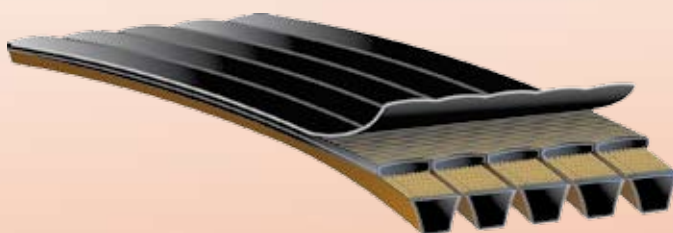
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Gates Predator® V-belts are built with aramid tensile cords for unparalleled shock and stretch resistance. A specially treated double fabric cover provides abrasion resistance that is unique to Gates Predator® V-belts and makes them withstand debris,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

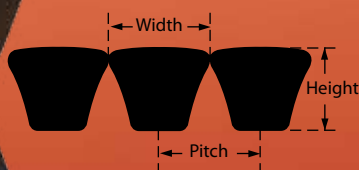
- Aramid tensile cords provide extraordinary strength, durability and virtually zero stretch.
- Double fabric cover offers extreme abrasion and wear resistance.
- Specially treated extra tough cover withstands slip and shear forces at peak loads without generating excessive heat and resists penetration 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.
- Static conductive (ISO 1813) (except for 8VP).



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 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.



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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

Available up to 16 ribs.

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

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

Available up to 12 ribs.

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

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.

