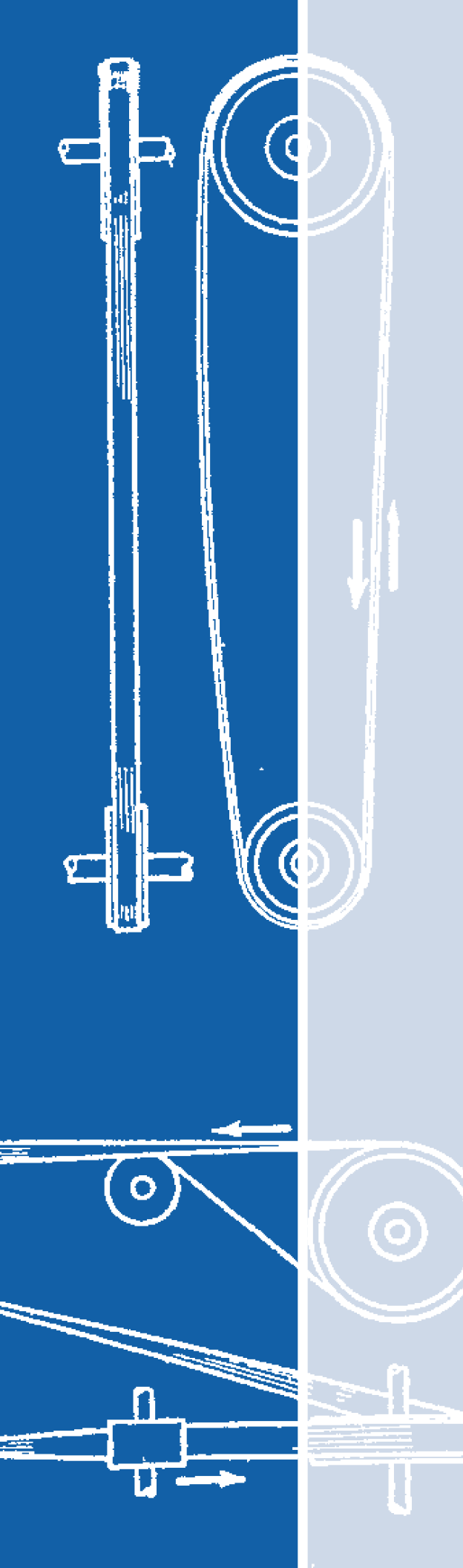


BESTORQ[®]
POWER TRANSMISSION PRODUCTS

Product Information

May 2021



only the best quality

Our main business is manufacturing Power Transmission Belts. Our factories use the latest in global belt manufacturing technology making us one of the largest manufacturers in the world. We are ISO9001 certified and all factory production takes place in a clean atmosphere with extremely high quality and delivery standards. We are selective about our machinery and technology to continually provide you with the best belt quality and durability possible.

We know time is money, so we strive to get your belts delivered to you as quickly as possible. While some of our belts are made in the USA and can ship immediately, we make a point to maintain a large domestic inventory of stock belts that are also ready to ship. At Bestorq, we constantly conduct dynamic testing to make sure we attain the highest levels of performance. We meet and exceed all ARPM standards and surpass the belt quality and durability of other manufacturers. Our belts have the highest horsepower ratings, longest life and most energy savings compared to any competitor out there.

Bestorq was incorporated in 2006, and brings over 81 years of combined engineering experience to help even the toughest application. We have the technical and operational knowledge to provide you with the products you need for the best possible performance. We are happy to custom design solutions to meet your most challenging needs. Our knowledge and unequalled customer service, paired with premium materials, world-class manufacturing processes, and on-time deliveries creates a winning combination to help you succeed.

why buy bestorq?

Bestorq proudly offers quality products which will increase your overall profit. We have become the fastest growing belt company in the country due to fast, accurate and friendly customer service and the following:

- Competitive low product pricing
- Product is designed, developed and tested in Lincoln, Nebraska
- Best in class quality, uniformity and reliability that equals or exceeds all others
- Ability to outperform and out last competitors in extreme high and low temperatures
- Standard sizes and many hard-to-find "in between" sizes in stock of V-belts, banded belts and timing belts
- Industry leader in on-time deliveries with 8 warehouses in USA and Canada ready to ship - over 99% of shipments go out same day
- Approved to ISO 9001, ISO 14001, ISO/TS16949
- Product is "one code" matching, anti-static, and meets/exceeds industry standard for oil resistance, heat resistance and HP Ratings
- Free on-site maintenance training and energy saving training to help you save money

proven success

Bestorq is proud to be an OEM supplier to over 190 OEM's in the USA. Our belts have outperformed other major manufacturer's belt offerings for the same drive. As a result of this, we have replaced other major OE belt producers products and become the supplier of choice for numerous real field applications. Bestorq belts are proven to excel in many different industry environments including:

- Oilfield
- Agriculture
- Aggregate and Mining
- General Industry
- Compressors
- Lawn and Garden.
- Heating and Cooling

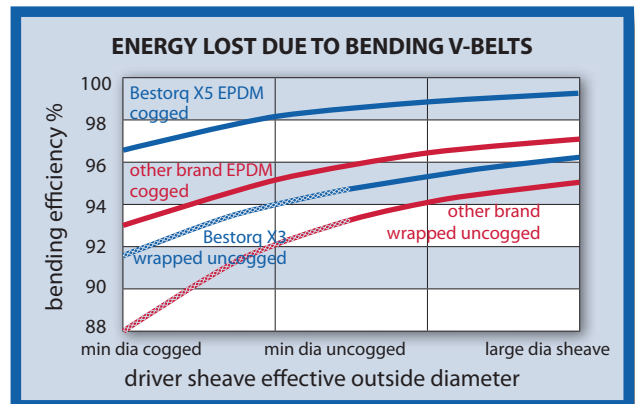
X3 and X5 - a new generation of belt performance

Our X3 belts bring in a new generation of wrapped V-Belt performance. They are specially designed to be low maintenance, and are proven to be extra durable for belt life that will outlast the competition. Cutting down maintenance and keeping your machines running at full capacity means you save time and money.

- Durable belts designed to carry a high load capacity results in cost & space savings
- X3 belts match to tighter tolerances than ARPM standards and ISO standards for confidence in running maximum loads
- Meet all ARPM for heat & oil resistance, and are Static Conducting to ARPM, Mine Safety Standards and ISO 1813
- They are created to be low maintenance requiring no rechecks or re-tensioning

Save space, time and money - X3 belts are created to carry a high load capacity. Extensive durability testing, certified by a major USA University Department of Mechanical Engineering, shows belt life that continues to out perform the competition. X3 belts can carry a high capacity so that you can often use fewer belts on a drive resulting in space and cost savings, and reduction in axial and bearing loads. Additionally, the X3 A/4L and B/5L belts are dual branded. They have the flexibility of FHP 4L and 5L belts combined with the high power capacity of A and B section belts.

Low maintenance and easy to install - X3 belts are amazingly uniform and smooth running. With excellent adhesion between components and low stretch tensile cords, they have very low elongation making them ultra low maintenance and will not require any rechecks or re-tensioning if installed at the correct recommended tension. Also, the Best in Class fabric wrap design creates the lowest wear belt in the industry.



Energy Savings - Due to superior chemistry and optimized belt design, the X3 belts lose less energy due to bending than any competitor wrapped uncogged belts.

Our X5 belts are specially designed to use only 40% as much energy to bend around your machine's pulleys, and are proven to outlast the competition. Saving energy and keeping your machines running at full capacity, again saves your time and money.

- X5 belts are made with EPDM compound for improved belt life
- Product is all "one code" matching so there are never any matching issues
- Tested proof of horsepower ratings equal to or better than any competitor
- Temperature rating of -70°F to 260°F
- Meet all ARPM Belt Standards, are heat & oil resistant, and are Static Conducting to ARPM & Mine Safety Standards
- Works great with backside idlers at essentially no loss in belt life

Ready to Order - The X3 and X5 belts are made from new materials and new molds. They will NOT match former Bestorq Belts. These new energy savings belts are ready to order in all available belt profiles.

single v-belts

Classical, Wedge, Metric, FHP, Lawn & Garden single v-belts are constructed from pre-stretched polyester cord. We upgraded our compound on our cogged belts to high quality EPDM giving you power and durability. The wrapped belts are known as our X3 belts. Part numbers with an "X" (AX32) designates molded cogged construction (X5 belts). "K" designates Thunder Classical V-Belts® (5VK1700) which are heavy-duty belts constructed from Aramid cord.

Classical: To order, use Inside Circumference (IC). To calculate IC, measure Outside Circumference (OC) and subtract as follows: A -2", B -3", C -4", D -5". For belts over 210" measure OC and subtract as follows: B -1.5", C -2", D -2.5". Example: A30 (or X3-A30) = 1/2" wide; 30" IC (32" OC)

Wedge: To order, use OC measurement to the tenth of an inch. Example: 3V425= 3/8" wide; 42.5" OC

Metric: To order, use OC and subtract the following values: SPZ- subtract 13mm, SPA- subtract 18mm, SPB- subtract 22mm, SPC- subtract 30mm.

Example: SPA1600= 13mm wide; 1618mm OC

FHP: To order, use OC measurement to the tenth of an inch. Example: 4L400= 1/2" wide; 40.0" OC

Lawn & Garden: To order, use OC measurement to the tenth of an inch. Example: A50LG(4L520LG)= 1/2" wide; 52.0" OC

banded v-belts

Our banded belts consist of Classical, Wedge, or Metric V-belts bound together with a fabric tie band.

Classical: To order, indicate number of ribs and Classical V-Belt part number. Example: 4/C225= 4 rib C225

Wedge: To order, indicate number of ribs and Wedge V-Belt part number. Example: 4/8V3150= 4 rib 8V3150

Metric: To order, indicate number of ribs and Metric V-Belt part number. Example: 4/SPB2500= 4 rib SPB2500

v-ribbed belts

EPJ belts are constructed from an elastic tensile cord while J, K, L and M belts are constructed from pre-stretched polyester cord. Three parts make up a V-Ribbed Belt part number: OC measurement to the tenth of an inch, belt cross section letter, and number of ribs. Example: 360J6= 36.0" OC; J-section; 6 ribs wide

double sided v-belts

Also known as hexagonal belts are constructed from pre-stretched polyester cord. To order, use OC and subtract as follows: AA -3.3", BB -4.7", CC -6.2". Example: AA55= 1/2" wide; 58.3" OC

Belt Cross Section Sizes available In Stock & Special Order

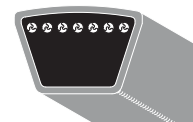
	In Stock Lengths	Special Order
Classical Single Belts		
A, B, C, D	14" to 540"	14" to 960"
AX, BX, CX	15" to 195"	15" to 195"
AK, BK, CK	20" to 164"	14" to 960"
Wedge Single Belts		
3V, 5V, 8V	25" to 560"	25" to 960"
3VX, 5VX, 8VX	21" to 200"	17" to 200"
3VK, 5VK, 8VK	---	20" to 600"
Metric Single Belts		
SPZ, SPA, SPB, SPC	14" to 540"	14" to 900"
XPZ, XPA, XPB, XPC	20" to 195"	17" to 195"
FHP Single Belts		
3L, 4L, 5L	14" to 100"	14" to 100"
Lawn & Garden Single Belts		
3L, 4L (A), 5L (B)	20" to 239"	20" to 260"
Classical Banded Belts		
A, B, C, D	47" to 540"	47" to 960"
AX, BX, CX	35" to 200"	30" to 200"
AK, BK, CK	---	47" to 600"
Wedge Banded Belts		
3V, 5V, 8V	53" to 500"	47" to 960"
3VX, 5VX, 8VX	30" to 200"	25" to 200"
3VK, 5VK, 8VK	53" to 500"	50" to 600"
Metric Banded Belts		
SPA, SPB, SPC	98" to 418"	50" to 960"
XPA, XPB	---	30" to 195"
V-Ribbed Belts		
EPJ	9.5" to 25"	9" to 98"
J, K	13" to 101"	11" to 110"
L, M	---	30" to 236"
Double Sided V-Belts		
AA, BB, CC	51" to 360"	51" to 800"



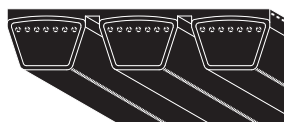
Single Wrapped



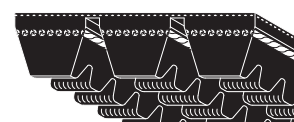
Single Cogged



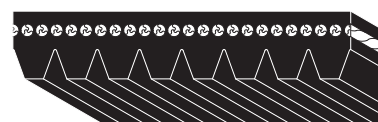
Lawn & Garden



Banded Wrapped



Banded Cogged



V-Ribbed & V-Ribbed "K"



Double Sided/Hex

timing belts

HTD-Type, Trapezoidal and Dual Sided timing belts are a good fit in all three major metric round tooth pulley profiles found in North America (RPP, HTD, and PGGT2) with clearance to enter and exit the different pulley profile shapes. Timing belts are stocked in sleeves and cut to width per order. Note: Bestorq will not fit or run in Gates Corporation Poly Chain® GT® Pulleys.

HTD-Type: To order, use OC measurement, pitch and width (mm). Example: 2000-8M-50= 2000mm long; 8mm pitch; 50mm wide

Trapezoidal: To order, use OC measurement to the tenth of an inch, pitch and width.

Example: 400-H-100= 40.0" long; H pitch; 1.00" wide

Dual Sided: To order, indicate the timing belt and note a "D" at the beginning of the part number.

HTD: D2000-8M-50= Dual Sided 2000-8M-50

Trapezoidal: D400-H-100= Dual Sided 400-H-100

specialty v-belts

Cotton Cleaner: These synchronous belts are specially designed for driving the cylinders on inclined cleaner machines and cotton gins. They have been proven in field tests to perform equal to or better than any other brand of cotton cleaner belts. In stock CCB belts are as follows: 61CCB142, 63CCB165, 63CCB165-2-1/2, 64CCB170, 65CCB175

Mill Belts: Double sided belts created specifically for use in flour, corn and soybean milling operations. They feature accurately ground PK grooves on one side and the correct timing belt tooth profile on the other side; 8M, 14M or S8M. Where some other brands use a secondary operation to "glue on" the rubber to form the PK grooves, Bestorq mill belts are molded in one operation creating a superior belt that has been proven by thousands of hours and many years of service in the field. Contact us today to learn more about available in stock sizes.

Automotive V-Belts: Special Order only in cut-edge molded cogged or laminated construction, top widths of .380", .440", or .500" and metric cross sections of AVX10, AVX11 or AVX13. Order lengths from 20" to 132". To order, use width in 32s of an inch followed by OC measurement to the tenth of an inch. Example: 15440= 15/32" top width; 44.0" OC

V-Ribbed "K" Automotive and Truck Belts: Our Automotive "K" (or called "PK") belts are stocked in OEM quality EPDM construction with HMLS tension cords. This is the belt used on many Original Equipment cars around the world. They are molded tooth profile for the highest quality and smoothest running. Temperature range is -70F to 260F. A part number example is 887K6. The part number starts with the inches and tenths, 88.7", The K stands for the tooth profile. The "6" is the number of ribs. In stock lengths 28" to 101", special order in between sizes.

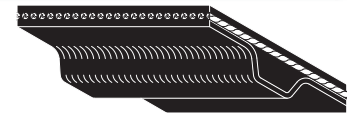
Bestlink: A temporary replacement or permanent substitute for conventional rubber v-belts. Simply "Twist and Lock" belt tabs into place, no need for special tools. Great alternative for use on machinery that ordinarily would need to be disassembled for v-belt installation. Keep machines up and running at the same horsepower ratings as conventional rubber v-belts. Ideal for emergency repairs and replacements. Make any belt length you need, by hand, in seconds. Bestlink belts are manufactured in standard v-belt cross sections to run in industrial standard pulley grooves. Belts come in cartons in roll lengths of either 25ft or 100ft. Available sizes are: 3L (3/8" top width), A (1/2" top width), B (5/8" top width), C (7/8" top width)

Belt Cross Section Sizes available In Stock & Special Order

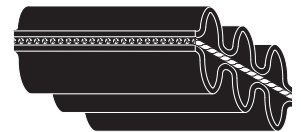
	In Stock Lengths	Special Order
HTD-Type Timing Belts		
2M	---	76mm to 750mm
3M	129mm to 1950mm	60mm to 3390mm
5M	180mm to 3800mm	180mm to 7000mm
8M	352mm to 4400mm	184mm to 6880mm
14M	966mm to 8120mm	938mm to 8120mm
20M	3400mm to 5600mm	2000mm to 6560mm
Trapezoidal Timing Belts		
MXL	3.2" to 60.0"	2.1 to 163.5"
XL	4.4" to 122.0"	4.4" to 212.8"
L	6.7" to 99.0"	6.7" to 199.8"
H	20.0" to 260.0"	14.5" to 272.0"
XH	50.0" to 175.0"	46.3" to 227.5"
XXH	---	62.5" to 200.0"
Dual Sided Timing Belts		
DXL	---	20" to 130"
DL	20" to 60"	20" to 167.5"
DH	30" to 170"	20" to 272"
D3M	---	939mm to 1401mm
D5M	635mm to 2000mm	500mm to 4260mm
D8M	80mm to 4960mm	760mm to 5120mm
D14M	1400mm to 5740mm	1246mm to 5320mm



HTD-Type



Trapezoidal



Dual Sided



Cotton Cleaner



Mill Belts



Automotive



Insert & Twist

Bestlink

general technical information

Our Single V-Belts and Banded V-Belts are created to give premium belt performance. The belts are constructed of specially engineered, high performance components and are manufactured using the latest belt technology available. With the exception of our Aramid Thunder V-Belts® and Lawn & Garden Lightning V-Belts®, the helically wound tensile cords on our belts are created of a pre-stretched polyester material specially engineered, twisted, then set by both heat and chemical means. Testing has proven that the tensile decay properties of Bestorq cord are truly world class.

Wrapped Construction Single Belts have an outer fabric wrap treated with an engineered synthetic rubber compound that is extremely resistant to oil and heat; specifically designed for excellent wear resistance and proven through thousands of testing hours. The body rubber compound is a highly engineered synthetic rubber compound; created for cool running, flexibility, crack resistance, and excellent bonding to the outer fabric and tensile cords.

Molded Cogged Single Belts are noted by an "X" in the part number. These raw-edge notched belts allow for higher load ratings than standard wrapped belts. The lower (compression) section of the belt consists of an engineered synthetic fiber-reinforced EPDM rubber compound; made to be heat and oil resistant and provide excellent wear resistance, cool running and flexibility. This, again, has been proven through thousands of testing hours. The upper rubber (directly surrounding the tensile member cords) is also fiber reinforced; created for great adhesion to the tensile member cords. The cogs (notches) are engineered to give the belts superior flexibility on both smaller and larger diameter pulleys. The belts have a temperature rating of -70°F to 260°F.

Aramid V-Belts are noted by a "K" in the part number. These extreme-duty belts, called Bestorq Thunder V-Belts, exceed ARPM standards and are designed for the most severe applications to provide extraordinary strength and horsepower capacity. Applications include heavy load situations such as mining, agriculture, wood processing, oil field equipment, heavy construction, sand/gravel operations and conditions with high pulsating loads. The aramid cords combine extremely low stretch with exceptional strength and durability; the stretch is less than 1/3 of premium polyester standard cord belts. Thunder V-Belts are created with a premium cover to ensure the belts can operate under the severe conditions where aramid cords are needed. Also, on Thunder banded belts, the specially designed fabric backing ties the belts together to create excellent lateral rigidity to a multi-belt unit.

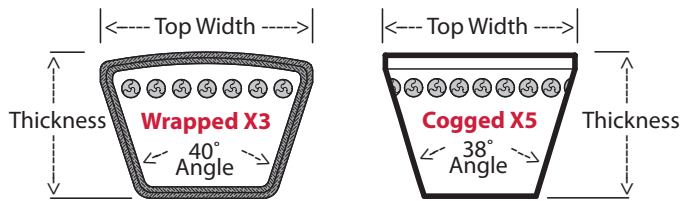
Banded V-Belts give premium belt performance just as their single belt counterparts. These joined or banded belts are recommended for high shock load and pulsating drives where extra stability is beneficial. The belts are bound together with a fabric tie band specifically created to have superb adhesion to each individual belt. The tie bands are made out of especially heavy-duty fabric and then encapsulated in tough rubber casing to give excellent flexibility around the pulleys.

Lawn & Garden V-Belts are noted with an "LG" at the end of the part number. These belts, known as Bestorq Lightning V-Belts, have synthetic rubber throughout paired with an aramid cord. They're created with an outer rubber impregnated fabric cover that is extremely tough, wear resistant and crack resistant. The lowered coefficient outer cover shows extreme resistance to belt turnover or roll making them excellent for Lawn & Garden, Ag Equipment and all types of industrial drives, especially where misalignment, clutching or backside idlers are present. They're very resistant to severe and repeated shock loads, and work well on "quarter turn" and "mule" drives.

Matched Sets - All USA profile belts 3L, 3LX, A, AX, 4L, B, BX, 5L, C, CX, D, 3V, 3VX, 5V, 5VX, 8V and 8VX belts of a given size and type are manufactured to run interchangeably in a matched set to USA ARPM belt standards for a matched set. For example: any Bestorq 8V2000 - X3 belt will run in matched set with any other Bestorq 8V2000 - X3 belt. All Metric belts SPZ, XPZ, SPA, XPA, SPB, XPB and SPC, XPC meet the matching standard ISO 4184.

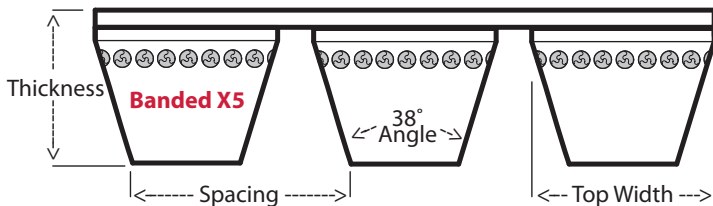
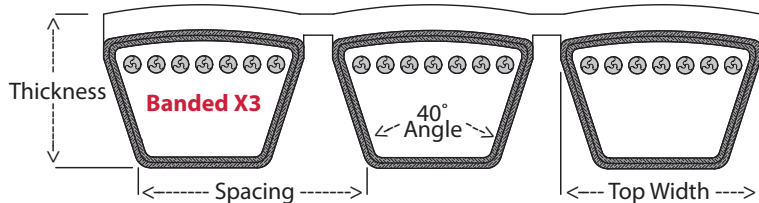
Belt Length Tolerance - All USA profile Bestorq belts are manufactured to meet or exceed the USA ARPM belt standard for belt lengths and belt length tolerances; and metric belts all meet or exceed ISO 4184 belt standard for belt length and belt length tolerances.

Belt Horsepower Ratings - Every Bestorq V-Belt equals or exceeds every other V-belt manufacturer's belt horsepower rating. Bestorq horsepower ratings far exceed the minimum horsepower rating given in any worldwide belt standard.



Single V-Belts

		Top Width	Thickness
Classical & FHP	3L	.38"	.24"
	A, AX, AK, 4L	.51"	.34"
	B, BX, BK, 5L	.66"	.43"
	C, CX, CK	.87"	.57"
	D	1.26"	.89"
Wedge	3V, 3VX, 3VK	.38"	.32"
	5V, 5VX, 5VK	.63"	.53"
	8V, 8VX, 8VK	1.00"	.96"
Metric	SPZ, XPZ	.38"	.32"
	SPA, XPA	.51"	.40"
	SPB, XPB	.66"	.52"
	SPC, XPC	.87"	.65"



Banded V-Belts

		Top Width	Spacing	Thickness
Classical	A, AX, AK	.50"	.63"	.45"
	B, BX, BK	.66"	.75"	.63"
	C, CX, CK	.87"	1.00"	.74"
	D	1.26"	1.44"	.98"
Wedge	3V, 3VX, 3VK	.38"	.41"	.42"
	5V, 5VX, 5VK	.62"	.69"	.61"
	8V, 8VK	1.00"	1.13"	1.06"
Metric	SPA, XPA	.50"	.63"	.49"
	SPB, XPB	.66"	.75"	.60"
	SPC	.87"	1.00"	.88"

