

BESTORQ[®]
POWER TRANSMISSION PRODUCTS

BESTORQ[®]

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Product Information



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only the best quality

Our main business is manufacturing V-Belts and Timing Belts. Our factory processes use the latest in global belt manufacturing technology and generate an output of over 1.2 million belts per day, making us one of the largest manufacturers of Power Transmission Belts 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.

Following great success in Asia, Europe, Africa, Australia and South America, our USA operations now offer the complete line of Bestorq belts. In order to meet your requirements as quickly as possible, we maintain a large domestic inventory of stock belts that are ready to ship. At Bestorq, we constantly conduct dynamic testing in our factory labs as well as in our USA labs 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 the best USA manufacturers.

Our USA operations have a basis of over 60 years of belt manufacturing and development experience. We have the technical and operational knowledge to provide you with the products you need for the best possible power transmission performance. We have extensive stock belts and can also custom design solutions to meet your needs. Our knowledge paired with premium materials and world-class manufacturing processes creates a winning combination to help you succeed.

why buy bestorq?

Bestorq proudly offers quality products which will increase your overall profit. Our President and CEO was at Goodyear for 31 years and held the position of Worldwide Manager of Technology for 15 years and ran the Goodyear Test Lab for 26 years. While at Goodyear, he designed Goodyear belt lines as well as Goodyear technical programs and application programs- all of which are still currently used today.

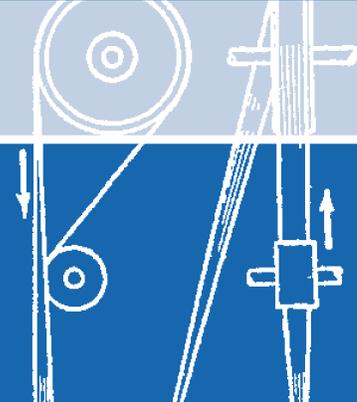
After his move to Bestorq, he has created the fastest growing belt company in the country. Bestorq now offers proven success as the OE belt for 190+ manufacturers. This success is due to fast, accurate and friendly customer service and the following:

- Extremely low product pricing
- Product is designed, developed and tested in Lincoln, NE
- Best in class quality, uniformity and reliability
- Quality that equals Continental or Gates
- 8 warehouses in USA and Canada ready to ship immediately - over 99% of shipments go out same day
- Product is all "one code" matching
- Product is anti-static
- Product meets/exceeds industry standard for oil resistance, heat resistance and HP Ratings
- Huge inventory available including all standard sizes and many hard-to-find "in between" sizes in stock of V-belts, banded belts and timing belts
- Approved to ISO 9001, ISO 14001, ISO/TS16949
- New generation energy saving X5 belts, designed to use only 40% as much energy

Our V-Belt manufacturing plant complex is 2.4 million square feet in size. It is five blocks long and runs along both sides of the street. This plant is modern and state of the art- the entire plant dates from 2008 and newer. Production is booming with over 1.2 million belts per day.

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



Single V-Belts

Cross Section	In Stock Lengths	Special Order
A, B, C, D	14" to 540"	14" to 600"
AX, BX, CX	15" to 195"	15" to 195"
AK, BK, CK	20" to 164"	14" to 600"

Classical belts constructed from pre-stretched polyester cord. "X" designates Thunder Classical V-Belt; heavy-duty belts constructed from kevlar cord (AK, BK, CK). For belt part number, use OC, measure Outside Circumference (OC) and subtract the following: A- subtract 2"; B- subtract 3"; C- subtract 4"; D- subtract 5". For part number on belt over 210" measure OC and subtract the following: B- subtract 1.5"; C- subtract 2.5". Example: A30= 1/2" wide; 30" OC; B32= OC

Cross Section	In Stock Lengths	Special Order
3V, 5V, 8V	25" to 560"	16" to 600"
3VX, 5VX, 8VX	21" to 200"	16" to 200"
3VK, 5VK, 8VK	---	20" to 600"

Wedge belts constructed from pre-stretched polyester cord (3V, 5V, 8V). "X" designates molded cogged construction (3VX, 5VX, 8VX). "K" designates Thunder Wedge V-Belt; heavy-duty belts constructed from kevlar cord (3VK, 5VK, 8VK). For part number, use OC measurement to the tenth of an inch. Example: 3V425= 3/8" wide; 42.5" OC

Cross Section	In Stock Lengths	Special Order
XPZ, XPA, XPB, XPC	14" to 540"	14" to 600"
	20" to 195"	17" to 195"

Metric belts constructed from pre-stretched polyester cord (XPZ, XPA, XPB, XPC). "X" designates molded cogged construction (XPZ, XPA, XPB, XPC). For belt part number, use OC and subtract the following values: XPZ- subtract 13mm; XPA- subtract 16mm; XPB- subtract 22mm; XPC- subtract 33mm. Example: XPB160= 1/2" wide; 40.0" OC

Cross Section	In Stock Lengths	Special Order
3L, 4L, 5L	14" to 100"	14" to 100"

Fractional horsepower (FHP) belts constructed from pre-stretched polyester cord (3L, 4L, 5L). For belt part number, use OC measurement to the tenth of an inch. Example: 4L40= 1/2" wide; 40.0" OC

Cross Section	In Stock Lengths	Special Order
3L, 4L (A), 5L (B)	20" to 164"	20" to 225"

Lightning Lawn & Garden belts constructed with synthetic rubber, dry envelope, and kevlar cord (3L, 4L, 5L). For belt part number, use OC measurement to the tenth of an inch. Example: 4L328G= 1/2" wide; 52.0" OC

Cross Section	In Stock Lengths	Special Order
A, B, C, D	47" to 540"	47" to 600"
AX, BX, CX	35" to 136"	30" to 195"
AK, BK, CK	---	47" to 600"

Classical V-Belt bound together with a fabric tie band. For belt part number, indicate the number of ribs and Classical V-Belt part number. Example: 4C25= 4 rib C25

Cross Section	In Stock Lengths	Special Order
3V, 5V, 8V	53" to 500"	47" to 600"
3VX, 5VX	30" to 200"	25" to 200"
3VK, 5VK, 8VK	53" to 500"	50" to 600"

Wedge V-Belt bound together with a fabric tie band. 3VK available up to 24 ribs wide, 5VK available up to 29 ribs wide, 8VK available up to 18 ribs wide. For belt part number, indicate the number of ribs and Wedge V-Belt part number. Example: 4/8V3150= 4 rib 8V3150

Cross Section	In Stock Lengths	Special Order
SPA, SPB, SPC	98" to 418"	50" to 600"
XPA, XPB	---	30" to 195"

Metric V-Belt bound together with a fabric tie band. For belt part number, indicate the number of ribs and Metric V-Belt part number. Example: 4/SPB250= 4 rib 5PB250

Cross Section	In Stock Lengths	Special Order
EJ	9.5" to 25"	9" to 98"
J, K	11" to 101"	11" to 110"
L, M	---	30" to 236"

EJ belts are constructed from an elastic tensile cord while J, K, L and M belts are constructed from pre-stretched polyester cord. These parts make up 3-V Ribbed Belt part number. OC measurement to the tenth of an inch, belt cross-section letter, and number of ribs. Example: 306J= 30" OC; 3-section; 6 ribs wide

Double Sided V-Belts

Cross Section	In Stock Lengths	Special Order
AA, BB, CC	51" to 360"	51" to 400"
AAK, BBK, CCK	---	51" to 300"

Double Sided V-Belt, known as two-groove belts, are constructed from pre-stretched polyester cord (AA, BB, CC). For belt part number, use OC and subtract the following: AA- subtract 3.3; BB- subtract 4.7; CC- subtract 6.2. Example: AA55= 1/2" wide; 58.3" OC

Timing Belts

Cross Section	In Stock Lengths	Special Order
2M	---	76mm to 750mm
3M	129mm to 1950mm	60mm to 5390mm
5M	180mm to 3800mm	180mm to 7000mm
8M	322mm to 4400mm	184mm to 6880mm
14M	966mm to 8120mm	938mm to 8120mm
20M	---	2000mm to 6560mm

Bestlog timing belts are a good fit in all three major metric round tooth pulley profiles found in North America (RPP, HTD, and PGT) with clearance to enter and out to width per order. For belt part number, use OC measurement, pitch and width (mm). Example: 2000-8M-50= 2000mm long 8mm pitch; 50mm wide. Note: Bestlog will north or run in Gates Corporation Poly Chain® GT® Pulleys.

Cross Section	In Stock Lengths	Special Order
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 90.0"	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"

Timing belts are stocked in sleeves and out to width per order. For belt part number, use OC measurement to the tenth of an inch, pitch and width. Example: 100-H-10= 40.0" long; 10mm pitch; 1.0" wide

Cross Section	In Stock Lengths	Special Order
DXL	---	20" to 130"
DL	20" to 60"	20" to 167.5"
DH	30" to 170"	20" to 272"
DM	---	939mm to 1401mm
D3M	63.5mm to 2000mm	500mm to 4260mm
D8M	800mm to 4960mm	760mm to 5120mm
D14M	1400mm to 5740mm	1246mm to 5320mm

For Dual Sided Timing Belt part number, indicate the timing belt and note a "D" at the end of the part number. Example: D2000-8M-50= Dual Sided 2000-8M-50. Trapezoidal: D400-H-100= Dual Sided 400-H-100

Specialty Belts

Our new synchronous belts are specially designed for driving the cylinders on inclined deener machines and cotton gins. Bestlog cotton deener belts 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: 6CCB145, 65CCB165, 63CCB165-2-1/2, 64CCB170, 65CCB175

Our new double sided belts are 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 5M. Where some other brands use a secondary operation to "glue on" the rubber to form the PK grooves, Bestlog 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.

All Automotive V-Belts are available by Special Order only. Order cut-edge molded cogged or laminated construction. Available in top widths of .380", .407" or .500" and metric cross sections of AWX10, AWX11 or AWX13. Order lengths from 20" to 132". For belt part number, use width in 32s of an inch followed by OC measurement to the tenth of an inch. Example: 1540= 15/32" top width; 44.0" OC

Use Bestlink belts as a temporary replacement or permanent substitute for conventional rubber wheels. Simply "slide and lock" belt tabs into place to accurately ground PK grooves on one side and the correct timing belt tooth profile on the other side; 8M, 14M or 5M. Keep matches 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)

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 worldwide. With the exception of our Kevlar 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.

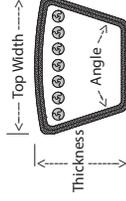
Molded Cogged Single Belts are noted by an “X” in the part number. These raw-edge notched belts allow for higher load ratings than standard wrapped belts. The lower (compression) section of the belt consists of an engineered synthetic fiber-reinforced EPDM rubber compound; made to be heat and oil resistant 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.

Kevlar 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 Kevlar 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 Kevlar 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, directionally woven fabric and then encapsulated in tough rubber casing to give excellent flexibility around the pulleys. Also, the tie bands feature tensile cords running in the transverse direction across the top of the belts to give extreme strength to the finished banded belt.

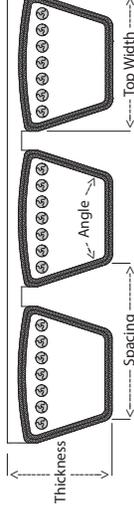
All belts of a given size are manufactured to run interchangeably in a matched set (i.e. any Bestorq 8V2000 belt will run as a matched set with any other Bestorq 8V2000 belt). Our belts meet or exceed USA ARPM published ratings levels and are designed to perform at the identical or higher level than all other major USA Manufacturer’s belts of the same type. All 3L, AX, A or 4L, BX, B or 5L, CX, C, D, 3VX, 3V, 5VX, 5V and 8V belts are created to meet ARPM standards for length and dimensions. (SPZ, XPZ, SPA, XPA, SPB, XPB, SPC, XPC, 9J, 15J, and 25J) belts and banded belts are manufactured to fit ISO standard dimension multi-groove 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 a Kevlar 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.



Single V-Belts

	Top Width	Thickness	Angle
3L	.38"	.24"	40
A, AX, AK, 4L	.51"	.34"	40
B, BX, BK, 5L	.66"	.43"	40
C, CX, CK	.87"	.57"	40
D	1.26"	.89"	40
3V, 3VX, 3VK	.38"	.32"	40
5V, 5VX, 5VK	.63"	.53"	40
8V, 8VX, 8VK	1.00"	.96"	40
SPZ, XPZ	.38"	.32"	40
SPA, XPA	.51"	.42"	40
SPB, XPB	.66"	.52"	40
SPC, XPC	.87"	.65"	40



Banded V-Belts

	Top Width	Spacing	Thickness	Angle
A, AX, AK	.50"	.63"	.45"	40
B, BX, BK	.66"	.75"	.63"	40
C, CX, CK	.87"	1.00"	.74"	40
D	1.26"	1.44"	.98"	40
3V, 3VX, 3VK	.38"	.41"	.42"	40
5V, 5VX, 5VK	.62"	.69"	.61"	40
8V, 8VK	1.00"	1.13"	1.06"	40
SPA, XPA	.50"	.59"	.50"	40
SPB, XPB	.66"	.75"	.59"	40
SPC	.87"	1.00"	.78"	40

