



Product Information

November 2011



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 800,000 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 RMA standards and surpass the belt quality and durability of the best USA manufacturers.

Our USA operations have a basis of over 50 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 knowldege paired with premium materials and world-class manufacturing processes creates a winning combination to help you succeed.

	Crucellast		Belt Deflect		tion Setting	
Smallest Pulley			uncogged belts		cogged belts	
	Diameter	RPM Range	used	new	used	new
	Range		belt	belt	belt	belt
	2.0 - 2.9	1000 - 2500	1.8	2.6	2.0	3.0
		2501 - 4000	1.4	2.0	1.6	2.4
	3.0 - 3.6	1000 - 2500	3.6	5.4	4.0	6.0
4L, A, AX		2501 - 4000	2.8	4.1	3.3	4.9
	3.8 - 4.8	1000 - 2500	4.4 3.7	6.6 5.7	4.9 4.3	7.3 6.4
		2501 - 4000 1000 - 2500	5.3	7.8	4.5 5.7	9.2
	5.0 - 7.0	2501 - 4000	4.6	6.8	5.1	7.6
		860 - 2500	1.0	0.0	4.8	7.2
	3.4 - 4.2	2501 - 4000			4.1	6.2
		860 - 2500	5.2	7.9	7.1	10.5
5L, B, BX	4.4 - 5.6	2501 - 4000	4.5	6.6	7.1	9.1
	5.8 - 8.6	860 - 2500	6.2	9.4	8.4	12.4
		2501 - 4000	6.0	6.8	7.3	10.7
	7.0 - 9.0	500 - 1740	11.3	17.0	14.7	21.9
C, CX	7.0-9.0	1741 - 3000	9.4	13.6	11.9	17.5
C, CA	9.5 - 16.0	500 - 1740	14.0	20.8	15.8	23.5
	5.5 10.0	1741 - 3000	12.5	18.3	14.5	21.6
	12.0 - 16.0	200 - 850	24.7	37.1		
D		851 - 1500	21.1	31.4		
	18.0 - 20.0	200 - 850	30.4	45.2		
		851 - 1500	25.6	38.0	2.2	4.0
	2.2 - 2.4	1000 - 2500			3.3	4.9
		2501 - 4000 1000 - 2500	3.7	5.1	2.9 4.2	4.3 6.2
3V, 3VX	2.65 - 3.65	2501 - 4000	3.0	4.5	3.8	5.6
		1000 - 2500	4.9	7.3	5.3	7.8
	4.12 - 6.90	2501 - 4000	4.3	6.6	4.8	7.3
		500 - 1749		0.0	10	15.2
	4.4 - 6.7	1750 - 3000			8.9	13.2
		3001 - 4000			5.6	8.5
5V, 5VX	7.1 - 10.9	500 - 1740	12.6	18.9	14.8	22.1
	7.1 - 10.9	1741 - 3000	11.2	16.5	13.7	20.1
	118-160	500 - 1740	15.5	23.4	17.1	25.5
	11.8 - 16.0	1741 - 3000	14.5	21.8	16.8	25
	12.5 - 17.0	200 - 850	33	49.5		
8V	12.0 17.0	851 - 2100	27	39.9		
	18.0 - 22.4	200 - 850	39.5	59		
		851 - 2100	35.1	52.8		
	2.65 - 3.65	750 - 2500	5.6	8.3		
3VK		2501 - 4000 1000 - 2500	4.5 7.4	6.8		
	4.12 - 6.90	2501 - 4000	6.5	11.0 9.7		
		200 - 500	21.0	31.5		
		500 - 1250	18.0	27.0		
	7.1 - 10.9	1251 - 1900	16.8	25.2		
5VK		1901 - 3000	16.0	24.0		
		200 - 740	26.6	39.9		
	11.8 - 16.0	741 - 1250	23.3	34.9		
		1251 - 2250	21.8	32.6		
		200 - 550	44.8	67.2		
	12.5 - 20.0	551 - 800	39.0	58.5		
	12.3 - 20.0	851 - 1150	35.6	53.4		
8VK		1151 - 2100	33.6	50.4		
		200-550	66.0	99.0		
	21.2 - 22.4	551-850	62.0	93.0		<u> </u>
		851 - 2100	57.5	86.3		

optimize your belt drive efficiency

To get the most from your belt drive, it is important that you pay proper attention to your V-Belt tensioning and pulley size.

Proper V-Belt Tensioning

All belts do not feel the same when properly tensioned. There are two main groups of belts that feel quite different based on the materials and tension cables used in their manufacturing processes. The first group of belts feel spongy or springy when properly tensioned, while the second group of belts feel very rigid and stiff but still aren't properly tensioned. Bestorg and other major high guality manufacturers are in this second group of belts. Rigid belts stretch very little over their life and need to "feel" tighter than spongy belts which will actually stretch far more during their life. When properly tensioned, rigid belts will feel 1.5 to 1.8 times tighter than spongy belts. Although they feel tighter, rigid belts will not place any more load on bearings than spongy belts. The objective is to have the lowest tension to carry the load and yet high enough tension so there is never belt slip. Due to these different belt groups, one should not use "feel" to judge the correct tension of a belt. To more accurately tension V-Belt drives use the Force-Deflection Method shown below.

Force-Deflection Method

 Measure the span length P.
 At center of the span length apply a force F (using a belt tension gauge) perpendicular to the belt span, large enough



to deflect the belt 1/64" for each 1" of belt span, **q**. So, for a 32" span, the deflection amount would be 32/64" or 1/2".

3. The force **F** to apply is shown, per belt, in the table to the left. NOTE: The force shown in the table is per rib. So, for a 5-rib belt, you will need to multiply the force shown in the table by five to apply to all five ribs at once.

Minimum Pulley Diameters

The successful operation of a belt drive is highly dependent on the diameter of the pulleys involved. The Rubber Manufacurers

Associaton (RMA) has published minimum recommended pulley diameters for each belt profile. Using pulleys smaller than these recommended diameters will result in a dramatic increase in belt tension and will substantially decrease the overall belt life.

Minimum Recommended Pulley Diameters					
Belt Type	Pitch Diameter	Outside Diameter			
4L*	2.30	2.50			
A	3.00	3.25			
AX	2.20	2.45			
В	5.40	5.75			
BX	4.00	4.35			
3V	2.65	2.65			
3VX	2.20	2.20			
5V	7.10	7.10			
5VX	4.40	4.40			
*4L at this diameter has HP rating below 1/2 HP					

Single V-Belts

AX, BX, CX 15" to 195" 15" to 195" AX, BX, CX 15" to 195" 15" to 195" AK, BK, CK 14" to 600" AL, BL 15" to 195" Classical belts constructed from pre-stretched polyester cord. "X" designates molded cogged construction (AX, BX, CX). "K" designates Thunder constructed from aramid tensile cord (AK, BK, CK). "L" designates Breeze Classical V-Belts', belts designed for quiet running (AL, BL). For belt part nut To calculate IC, measure Outside Circumference (OC) and subtract the following: A- subtract 2", B- subtract 2", C- subtract 4", D- subtract 5". For part OC and subtract the following: B- subtract 1.5", C- subtract 2.5". Example: A30= 1/2" wide; 30" IC (32" OC) Cross Section In Stock Lengths Special Order 3V, 5V, 8V 25" to 560" 16" to 600"	imber, use Inside Circumference (IC).
A, B, C, D 14" to 540" 14" to 600" AX, BX, CX 15" to 195" 15" to 195" AK, BK, CK 14" to 600" AL, BL 14" to 195" Classical belts constructed from pre-stretched polyester cord. "X" designates molded cogged construction (AX, BX, CX). "K" designates Thunder constructed from aramid tensile cord (AK, BK, CK). "L" designates Breeze Classical V-Belts", belts designed for quiet running (AL, BL). For belt part nu To calculate IC, measure Outside Circumference (OC) and subtract the following: A- subtract 2", B- subtract 3", C- subtract 4", D- subtract 5". For part OC and subtract the following: B- subtract 1.5", C- subtract 2", D- subtract 2", B- subtract 3", C- subtract 4", D- subtract 5". For part OC and subtract the following: B- subtract 1.5", C- subtract 2", D- subtract 2", B- subtract 3", C- subtract 5". For part OC and subtract the following: B- subtract 1.5", C- subtract 2", D- subtract 2", B- subtract 3", C- subtract 4", D- subtract 5". For part OC and subtract the following: B- subtract 1.5", C- subtract 2", D- subtract 2", B- subtract 3", C- subtract 4", D- subtract 5". For part OC and subtract the following: B- subtract 1.5", C- subtract 2", D- subtract 2.5". Example: A30= 1/2" wide; 30" IC (32" OC)	r Classical V-Belts [*] , heavy-duty belts imber, use Inside Circumference (IC).
Image: Section In Stock Lengths Special Order	imber, use Inside Circumference (IC).
AK, BK, CK 14" to 600" AL, BL 15" to 195" Classical belts constructed from pre-stretched polyester cord. "X" designates molded cogged construction (AX, BX, CX). "K" designates Thunder constructed from aramid tensile cord (AK, BK, CK). "L" designates Breeze Classical V-Belts", belts designed for quiet running (AL, BL). For belt part nu To calculate IC, measure Outside Circumference (OC) and subtract the following: A- subtract 2", B- subtract 3", C- subtract 4", D- subtract 5". For part OC and subtract the following: B- subtract 1.5", C- subtract 2", D- subtract 2.5". Example: A30= 1/2" wide; 30" IC (32" OC) Cross Section In Stock Lengths Special Order	imber, use Inside Circumference (IC).
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OC and subtract the following: B- subtract 1.5", C- subtract 2", D- subtract 2.5". Example: A30= 1/2" wide; 30" IC (32" OC) Cross Section In Stock Lengths Special Order	
B 3V, 5V, 8V 25" to 560" 16" to 600"	*****
Ö 3VX, 5VX 21" to 200" 16" to 200"	
3VK, 5VK, 8VK 20" to 600"	annul
Wedge belts constructed from pre-stretched polyester cord (3V, 5V, 8V). "X" designates molded cogged construction (3VX, 5VX). "K" designates	Thunder Wedge V-Belts°, heavy-duty
belts constructed from aramid tensile cord (3VK, 5VK, 8VK). For part number, use OC measurement to the tenth of an inch. Example: 3V425= 3/8" wide	e; 42.5″ OC
Cross Section In Stock Lengths Special Order	0000000
SPZ, SPA, SPB, SPC 14" to 540" 14" to 600"	
SPZ, SPA, SPB, SPC 14" to 540" 14" to 600" SPZX, SPAX, SPBX, SPCX 20" to 195" 17" to 195"	
Metric belts constructed from pre-stretched polyester cord (SPZ, SPA, SPB, SPC). "X" designates molded cogged construction (SPZX, SPAX, SPBX,	SPCX). For belt part number, use OC
and subtract the following values: SPZ- subtract 13mm, SPA- subtract 18mm, SPB- subtract 22mm, SPC- subtract 30mm. Example: SPA1600= 13m	m wide; 1618mm OC
Cross Section In Stock Lengths Special Order	
Algorithm Algor	
Fractional horsepower (FFF) beits constructed from pre-stretched polyester cord (SL, 4L, SL). For beit part	
number, use OC measurement to the tenth of an inch. Example: 4L400= 1/2" wide; 40.0" OC	
Special Design Cut Edge Constructions: Used for Ag, Lawn & Garden, Appliance and other tough applications. Available in virtually any cross section	such as 31 41 51 A HA SPA B HB
Special Design Cut Edge Constructions: Used for Ag, Lawn & Garden, Appliance and other tough applications. Available in virtually any cross section SPB, C, HC, SPC, 3V, 5V, 3LX, 4LX, 5LX, AX, HAX, SPAX, BX, HBX, SPBX, CX, HCX, SPCX, 3VX, 5VX or special dimensions. In lengths 20" to 200". Special Design Wrapped Constructions: Available in A, B, C, 3V, 5V, 3L, 4L, 5L cross sections, in lengths 15" to 580". Aramid Cord, Glass Cord, Polyest	130CH as 5C, 4C, 5C, A, HA, 5LA, 5, HD,
Special Design Wrapped Constructions: Available in A, B, C, 3V, 5V, 3L, 4L, 5L cross sections, in lengths 15" to 580". Aramid Cord, Glass Cord, Polyest	
\mathbf{G} special Design whapped constructions. Available in A, b, c, 5 v,	er Cord; outer wrap fabric in normal
and low coefficient of friction; special wraps in Blue, White or Black colors.	er Cord; outer wrap fabric in normal
and low coefficient of friction; special wraps in Blue, White or Black colors.	er Cord; outer wrap fabric in normal
and low coefficient of friction; special wraps in Blue, White or Black colors.	er Cord; outer wrap fabric in normal
and low coefficient of friction; special wraps in Blue, White or Black colors.	er Cord; outer wrap fabric in normal
and low coefficient of friction; special wraps in Blue, White or Black colors. Banded V-Belts	er Cord; outer wrap fabric in normal
and low coefficient of friction; special wraps in Blue, White or Black colors.	
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Cross Section In Stock Lengths Special Order	
Cross Section In Stock Lengths Special Order	
Cross Section In Stock Lengths Special Order B, C, D 47" to 540" 47" to 600"	
Cross Section In Stock Lengths Special Order	
Cross Section In Stock Lengths Special Order B, C, D 47" to 540" 47" to 600" A, AX, BX, CX 30" to 195" AK, BK, CK 47" to 600"	
Cross Section In Stock Lengths Special Order B, C, D 47" to 540" 47" to 600" A, AX, BX, CX 30" to 195" AK, BK, CK 47" to 600" Classical V-Belts bound together with a fabric tie band. For belt part number, indicate the number of ribs and Classical V-Belt part number. Cross Section In Stock Lengths Special Order B, C, D 47" to 540" 47" to 600" Cross Section In Stock Lengths Special Order	
Cross Section In Stock Lengths Special Order B, C, D 47" to 540" 47" to 600" A, AX, BX, CX 30" to 195" AK, BK, CK 47" to 600" Classical V-Belts bound together with a fabric tie band. For belt part number, indicate the number of ribs and Classical V-Belt part number. Cross Section In Stock Lengths Special Order B, C, D 47" to 540" 47" to 600" Cross Section In Stock Lengths Special Order	ber. Example: 4/C225= 4 rib C225
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Cross Section In Stock Lengths Special Order B, C, D 47" to 540" 47" to 600" A, AX, BX, CX 30" to 195" AK, BK, CK 47" to 600" Classical V-Belts bound together with a fabric tie band. For belt part number, indicate the number of ribs and Classical V-Belt part num 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"	ber. Example: 4/C225= 4 rib C225
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OPEND Section In Stock Lengths Special Order B, C, D 47" to 540" 47" to 600" A, AX, BX, CX 30" to 195" AK, BK, CK 47" to 600" Cross Section In Stock Lengths Special Order B, C, D 47" to 540" 47" to 600" Cassical V-Belts bound together with a fabric tie band. For belt part number, indicate the number of ribs and Classical V-Belt part number Cross Section In Stock Lengths Special Order Image: Cross Section In Stock Lengths Systex 30" to 200" 25" to 200" Image: Cross Section In Stock Lengths Systex 30" to 200" 25" to 200" Image: Cross Section In Stock Lengths Special Order Wedge V-Belts bound together with a fabric tie band. 3VK available up to 24 ribs wide, 8VK available up to 12 ribs wide, 8VK available up to 12 ribs wide, 8VK available up to 12 ribs unber of ribs and Wedge V-Belt part number. Example: 4/8V3150 UM Cross Section In Stock Lengths Special Order SPA, SPB, SPC 50" to 393" Metric V-Belts bound together with a fabric tie band. For belt part number, indicate the number of ribs and Metric V-Belt part number. Example: 4/SPB2500	ber. Example: 4/C225= 4 rib C225
OPEND Section In Stock Lengths Special Order B, C, D 47" to 540" 47" to 600" A, AX, BX, CX 30" to 195" AK, BK, CK 47" to 600" Cross Section In Stock Lengths Special Order B, C, D 47" to 540" 47" to 600" Cassical V-Belts bound together with a fabric tie band. For belt part number, indicate the number of ribs and Classical V-Belt part number Cross Section In Stock Lengths Special Order Image: Cross Section In Stock Lengths Systex 30" to 200" 25" to 200" Image: Cross Section In Stock Lengths Systex 30" to 200" 25" to 200" Image: Cross Section In Stock Lengths Special Order Wedge V-Belts bound together with a fabric tie band. 3VK available up to 24 ribs wide, 8VK available up to 12 ribs wide, 8VK available up to 12 ribs wide, 8VK available up to 12 ribs unber of ribs and Wedge V-Belt part number. Example: 4/8V3150 UM Cross Section In Stock Lengths Special Order SPA, SPB, SPC 50" to 393" Metric V-Belts bound together with a fabric tie band. For belt part number, indicate the number of ribs and Metric V-Belt part number. Example: 4/SPB2500	wide. For belt part number, indicate
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Or and low coefficient of friction; special wraps in Blue, White or Black Colors. Bandled V-Belts Bandled V-Belts Cross Section In Stock Lengths Special Order B, C, D 47" to 540" 47" to 600" A, AX, BX, CX 30" to 195" AK, BK, CK 47" to 600" Classical V-Belts bound together with a fabric tie band. For belt part number, indicate the number of ribs and Classical V-Belt part num Cross Section In Stock Lengths Special Order 3V, SV, 8V 53" to 500" 47" to 600" 3V, SV, 8V 53" to 500" 25" to 200" 3VK, 5VK, 8VK 53" to 500" 50" to 600" Wedge V-Belts 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 12 ribs number of ribs and Wedge V-Belt part number. Example: 4/8V3150 OP Cross Section In Stock Lengths Special Order SPA, SPB, SPC Special Order SPA, SPB, SPC Special Order SPA SPB, SPC Special Order Special Order SPA SPB, SPC </th <th></th>	

Double Sided V-Belts

Cross Section AA, BB, CC AAK, BBK, CCK

HTD-Type

In Stock Lengths 51" to 300"

- - -

Special Order 51" to 300" 51" to 300"



Double Sided V-Belts, known as hexagonal 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 & Special Order Only

Cross Section	In Stock Lengths	Special Order
2M		76mm to 750mm
3M	60mm to 1950mm	60mm to 3390mm
5M	180mm to 3430mm	180mm to 7000mm
8M	400mm to 3600mm	184mm to 6880mm
14M	966mm to 6860mm	938mm to 6860mm
20M		2000mm to 6560mm

Timing belts are stocked in sleeves and cut 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

Bestorq timing belts are a good fit in all three major metric round tooth pulley profiles found in North America; RPP, HTD, and PGGT2. Our belts are created to fit in any of the three pulley profiles with clearance to enter and exit the different pulley profile shapes.

Note: Bestorq will not fit or run in Poly Chain[®] GT[®] Pulleys.

Poly Chain $^{\circ}$ GT $^{\circ}$ are registered trademarks of Gates Corporation

Trapezoidal	Cross Section	In Stock Lengths	Special Order		
	MXL	3.2" to 60.0"	2.1" to 163.5"		
	XL	4.4" to 86.0"	4.4" to 212.8"	Jamanaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	
	L	10.9" to 72.0"	6.7" to 199.8"	Timing belts are stocked in sleeves and cut to width per order. For belt part number,	
	Н	20.0" to 170.0"	14.5" to 272.0"		
	ХН		46.3" to 227.5"		
	ХХН		62.5" to 200.0"	use OC measurement to the tenth of an inch, pitch and width. Example: 400-H-100= 40.0" long; H pitch; 1.00" wide	
~ 10					

T-Series 8 AT-Series	All T-Series and AT-Series belts are available by Special Order only. Order T2.5, T5, T10, T20, AT10, AT20 tooth profiles. T-Series available to order in most lengths and widths from 102.5mm long pitch length to 7050mm long pitch length. AT-Series available to order in most lengths from 220mm long pitch length to 4030mm long pitch length. For belt part number, measure width, pitch and length (mm). T-Series Example: 50-T10-1000= 50mm wide; 10mm pitch; 1000mm long AT-Series Example: 50-AT10-1000= 50mm wide; 10mm pitch; 1000mm long
Dual Sided	All Dual Sided timing belts are available by Special Order only. Order MXL, XL, XXL, L, H, XH, XXH, T2.5, T5, T10, T20, AT10, 3M, 5M, 14M, HTD, S8M tooth profiles. Available to order in most lengths and widths from 500mm long pitch length on the small tooth profiles to 6900mm long pitch length on the large tooth profiles. For Dual Sided Timing Belt part number, indicate the timing belt and note a "D" at the beginning of the part number as shown below. HTD: D2000-8M-50 Dual Sided 2000-8M-50 Trapezoidal: D400-H-100 = Dual Sided 400-H-100 T-Series: D50-T10-1000 = Dual Sided 50-T10-1000
Variable Speed	All Variable Speed belts are available by Special Order only. Order in widths up to 4.0" top width; in cut edge lengths from 22" to 118"; in thickness up to 1.0". Four parts make up a Variable Speed part number: top width in sixteenth of an inch, angle of sheave groove, "V" for variable speed, and pitch length to the tenth of an inch. Example: 1930V400= 19/16" top width; 30 angle of sheave groove; 40.0 pitch length
Auto- motive	All Automotive V-Belts are available by Special Order only. Order cut-edge molded cogged or laminated construction. Available in top widths of .380", .440", or .500" and metric cross sections of AVX10 or AVX13. 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: 15440= 15/32" top width; 44.0" OC
Bestlink	Use Bestlink belts as 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 a simple v-belt installation; take apart the belt, no the machine. Keep machines up and running at the same horsepower ratings as conventional rubber v-belts. Ideal for emergency repairs and replacements; keep a few link belts on hand instead of a large inventory of multiple sized v-belts. 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 easy to use 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).
Open End	Open End V-Belts are available in stock in B and C cross sections. Open End Timing Belts and A cross section Open End V-Belts are available by Special Order only. An Open End V-Belt part number consists of AVO, BVO or CVO and the roll length in feet. Open End V-Belt Example: BVO.164ft= B cross section; 164 feet long Three parts make up an Open End Timing Belt order, "LL" (Long Length), belt part number (tooth profile and width) and roll length. Open End Timing Belt Examples: BVO.164ft= B cross section; 164 feet long Open End Timing Belt Examples: HTD: LL8M.20.100M=8M; 20mm wide; 100 Meters long Trapezoidal: LLH.050.300ft= H; 0.50" wide; 300 Feet long T-Series: LLT10.20.50M= T10; 20mm wide; 50 Meters long AT-Series: LLAT10.25.50M=AT10; 25mm wide; 50 Meters long

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 Thunder 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 rubber compound; made to be extremely 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 top fabric is a specially woven, synthetic-natural fiber blend. The cogs (notches) are engineered to give the belts superior flexibility on both smaller and larger diameter pulleys.

Thunder V-Belts are noted by a"K" in the part number. These extreme-duty belts exceed RMA 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. Thunder V-Belts have aramid tensile cords which combine extremely low stretch with exceptional strength and durability; the stretch is less than 1/3 of premium polyester standard cord belts. Thunder V-Belt are created with a premium cover to ensure these belts can operate under the severe conditions where aramid tensile 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 RMA 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 RMA standards for length and dimensions. (SPZ, SPZX, SPA, SPAX, SPB, SPBX, SPC, SPCX, 9J, 15J, and 25J belts and banded belts are manufactured to fit ISO standard dimension multi-groove pulleys.)



Single V-Belts

		Top Width	Thickness	Angle
Classical & FHP	3L	.38″	.24″	40
	A, AX, AK, AL, 4L	.51″	.34″	40
	B, BX, BK, BL, 5L	.66″	.43″	40
	C, CX, CK	.87″	.57″	40
Ü	D	1.26"	.89″	40
ge	3V, 3VX, 3VK	.38″	.32″	40
Wedge	5V, 5VX, 5VK	.63″	.53″	40
\geq	8V, 8VK	1.00″	.96″	40
Metric	SPZ, SPZX, XPZ	.38″	.32″	40
	SPA, SPAX, XPA	.51″	.42″	40
	SPB, SPBX, XPB	.66″	.52″	40
	SPC, SPCX, XPC	.87″	.65″	40



Banded V Bolto

V-Belts		Top Width	Spacing	Thickness	Angle
Classical	A, AK	.50″	.63″	.45″	40
	B, BK	.66″	.75″	.55″	40
	BX	.66″	.75″	.63″	40
	C, CK, CX	.87″	1.00″	.74″	40
	D	1.26″	1.44″	.98″	40
	3V, 3VK	.38″	.41″	.40″	40
Je	3VX	.38″	.41″	.41″	40
Wedge	5V, 5VK	.62″	.69″	.59″	40
Ň	5VX	.63″	.69″	.61″	40
	8V, 8VK	1.00″	1.13″	1.06″	40
Metirc	SPA	.50″	.59″	.50″	40
	SPB	.66″	.75″	.59″	40
2	SPC	.87″	1.00″	.78″	40







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