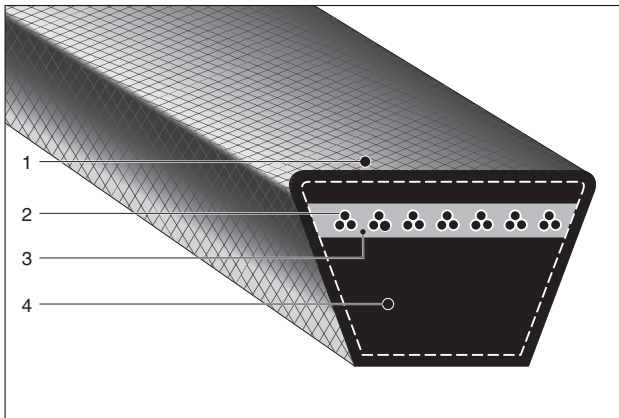


BANDO FRACTIONAL H.P. V-BELTS (FHP) AND MULTIPLE V BELTS



Construction

- 1: Rubber impregnated canvas
- 2: Polyester tensile members
- 3: Chloroprene insulation rubber
- 4: Chloroprene compression rubber

Features

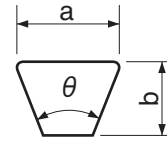
FHP V-BELTS

Bando FHP V-Belts are built for maximum tension control, drive uniformity and long life, with minimum heat build-up and stretching on low horsepower electric motors and gasoline engines. They are designed for high speed and short center distance.

MULTIPLE V-BELTS

For multiple drive, high speed and high torque drives on light or heavy industrial or automotive machinery. Bando Multiple V-Belts have exceptional length stability and drive uniformity. Rigorous testing has shown these Premium Quality Belts to have twice the service life and significantly greater transmission capacity than most other multiple V Belts.

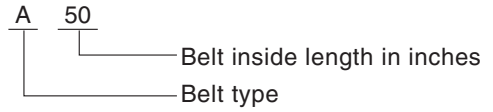
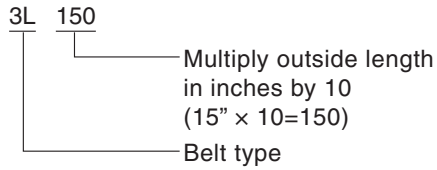
Dimensions



		Top width a	Thickness b	Angle θ
FHP	3L	10.0mm (0.38")	5.5mm (0.22")	40°
	4L	13.0mm (0.50")	8.0mm (0.31")	40°
	5L	17.0mm (0.66")	9.0mm (0.38")	40°
Multiple	A	12.7mm (0.50")	8.0mm (0.31")	40°
	B	16.7mm (0.66")	10.7mm (0.41")	40°
	C	22.2mm (0.88")	13.5mm (0.53")	40°
	D	32.0mm (1.25")	20.0mm (0.75")	40°
	E	40.0mm (1.50")	25.5mm (0.91")	40°

BANDO FRACTIONAL H.P.V-BELTS (FHP) AND MULTIPLE V BELTS

Size mark

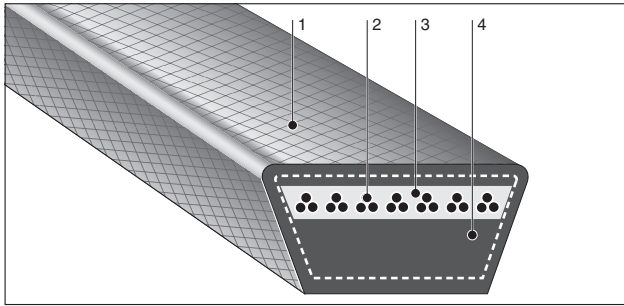


Standard Sizes

※These sizes are in conformity to RMA.

Type	Size code
3L	150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620
4L	170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000
5L	230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000
A	20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 105, 110, 112, 120, 128, 136, 144, 158, 173, 180
B	25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 100, 101, 103, 105, 108, 111, 112, 120, 124, 128, 133, 136, 144, 158, 162, 173, 180, 195, 210, 225, 240, 255, 270, 285, 300, 315
C	51, 60, 68, 75, 81, 85, 90, 96, 105, 109, 112, 115, 120, 128, 136, 144, 150, 158, 162, 173, 180, 195, 210, 225, 240, 255, 270, 285, 300, 315, 330, 345, 360, 390, 420, 450, 480
D	120, 128, 144, 158, 162, 173, 180, 195, 210, 225, 240, 255, 270, 285, 300, 315, 330, 345, 360, 390, 420, 450, 480, 540, 600
E	180, 195, 210, 240, 270, 300, 330, 360, 390, 420, 480, 540, 600

BANDO AGRICULTURAL V BELTS RED S II



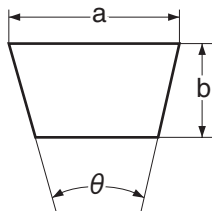
Construction

- 1: Rubber impregnated canvas
- 2: Polyester tensile members
- 3: Chloroprene insulation rubber
- 4: Chloroprene compression rubber

Features + Benefits

- Designed specifically for reverse-bend drive by positioning tensile members closer to the neutral axis and by making the belt thickness a little thinner than that of Conventional Multiple V-Belts A, B, & C Sections.
- Particularly suitable to agricultural machinery such as combine harvester and garden tiller where belts are often driven with backside idler.

Dimensions



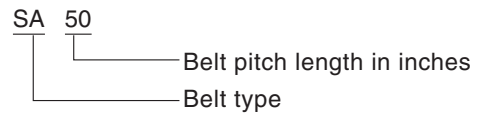
Type	Top width a	Thickness b	Angle θ
SA	12.7mm (0.5")	7.0mm (0.27")	40°
SB	16.7mm (0.67")	9.0mm (0.35")	40°
SC	22.2mm (0.87")	11.0mm (0.43")	40°

Service Life Comparison

Specific Driving Conditions	Red-S	Multiple V-Belt
reverse-bend drive	450	100
oil contamination	380	100
ambient temperature 70°C Degrees	450	100

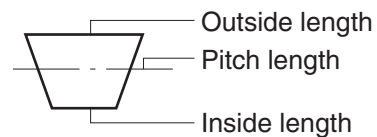
Numerical values shown above represent indexes with taking the multiple V belts as 100

Size mark

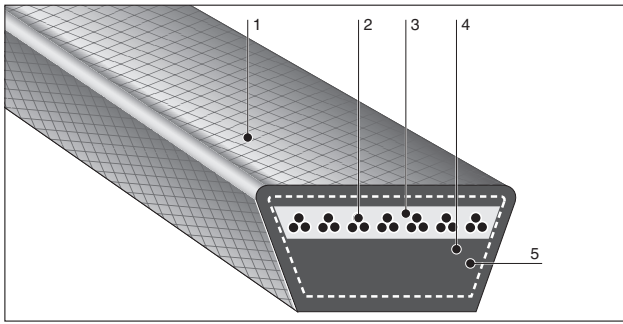


Standard Sizes

Belt type	a x b (mm)	Belt pitch length in inches
SA	12.7x7.0	20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 102 105 108 110 112 115 118 120 122 125 128 130 135 140 145 150 155 160 165 170 180 200 205 210 220 225 230 235 240 250
SB	16.7x9.0	22 25 26 27 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 102 105 108 110 112 115 118 120 122 125 128 130 132 135 138 140 145 150 155 160 165 170 180 190 200 210
SC	22.2x11.0	35 39 40 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 62 63 64 65 66 67 68 69 70 72 73 74 75 76 77 78 79 80 81 82 85 86 87 88 89 90 94 95 96 99 100 102 105 108 110 112 115 118 120 122 125 128 130 134 137 139 140 145 150 167 175



BANDO AGRICULTURAL V BELTS W800



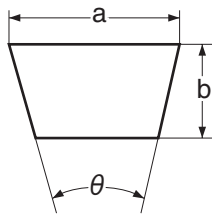
Construction

- 1: Rubber impregnated canvas
- 2: Aramid tensile members
- 3: Chloroprene insularion rubber
- 4: Fiber loaded chloroprence rubber
- 5: Chloroprene compression rubber

Features + Benefits

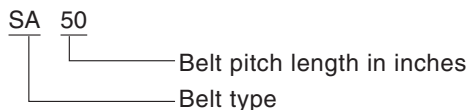
The Series W800 has heat and flex resistance superior to any other V belts, which makes it a top-end V belt for the agricultural machinery use enabling high-load power transmission. You can be assured to use this V belt under harsh environments.

Dimensions



Type	Top width a	Thickness b	Angle θ
SA	12.7mm (0.5")	7.0mm (0.27")	40°
SB	16.7mm (0.67")	9.0mm (0.35")	40°
SC	22.2mm (0.87")	11.0mm (0.43")	40°

Size mark



Making full use of the capabilities of agricultural machinery

As the agricultural machinery increasingly enhances its performance and functions, the quality required for V belts used in the agricultural machinery is going upscale.

On fine quality market, there are cases where the agricultural machinery should use more than the RED-S II in order to deliver the thorough functions. Now, we at BANDO launch the Series W800 of the highest quality among V belts (Series W) for the agricultural machinery use on the fine quality market.

Features Comparison

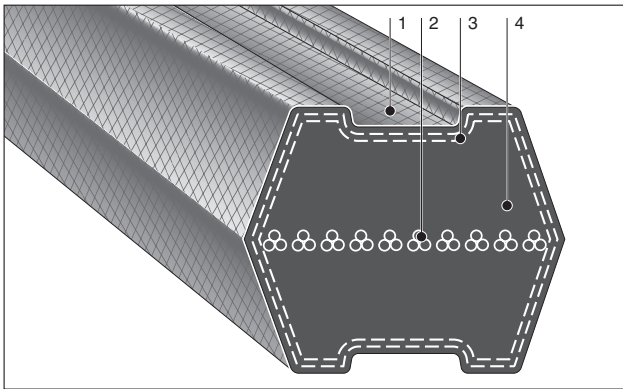
	Standard V belt	RED-S II	W800
Power transmission capability	100	150	300
Service life against reverse bending	100	450	1800
Service life against shock	100	150	450

※Numerical values shown above represent indexes when taking the standard V belt as 100.

Standard Sizes

Belt type	a x b (mm)	Belt pitch length in inches
SA	12.7 x 7.0	27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100
SB	16.7 x 9.0	27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,102,105,108,110,112,115,118,120,122,125,128,130,132,135,138,140,145,150,155,160,165,170,180,190,200
SC	22.7 x 11.0	(40),(43),(44),(45),(46),(47),48,(49),50,51,52,53,54,55,56,57,58,59,60,62,63,64,65,66,67,68,69,70,72,73,74,75,76,77,78,79,80,81,82,85,86,87,88,89,90,94,95,96,99,100,102,105,108,110,112,115,118,120,122,125,128,130,132,135,138,140,142,145,148,150,155,160,165,170,180,190,200

BANDO DOUBLE (HEXAGONAL) V-BELTS



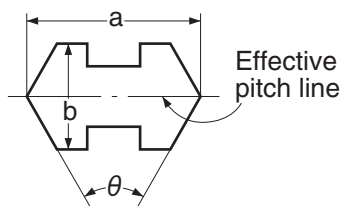
Construction

- 1: Rubber impregnated special woven canvas
- 2: Polyester tensile members
- 3: Chloroprene insulation rubber
- 4: Chloroprene compression rubber

Features + Benefits

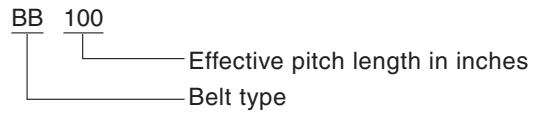
- Designed for reverse-bend serpentine drives by covering the belt with special woven fabric.
- New Cross Section for maintaining proper belt position in pulley groove even in the case of extreme reverse-bend drives.
- Due to greater flexibility created by the special woven fabric as well as to the New Cross Section, service life has increased by about 40% over that of traditional double V-Belts.

Dimensions

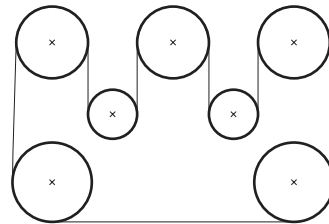


Type	a (mm)	b (mm)	θ
AA	12.5	10.3	40°
BB	16.5	13.5	
CC	22.0	18.0	

Size mark



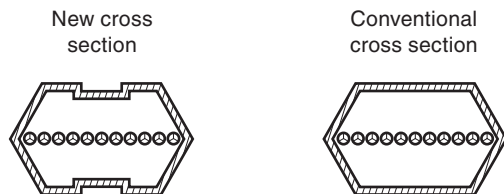
Typical reverse-bend serpentine drive



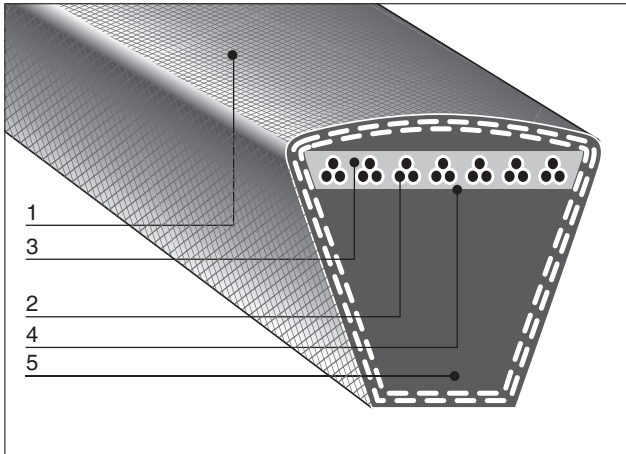
Standard Sizes

Type	Size number (Effective pitch length in inches)
AA	50 53 56 60 63 67 71 75 80 85 90 95 100 106 112 118 125 132 140
BB	60 63 67 71 75 80 85 90 95 100 106 112 118 125 132 140 150 160 170 180 190 200 212 224 236 250
CC	132 140 150 160 170 180 190 200 212 224 236 250 265 280 300

※These sizes are in conformity to JIS



BANDO POWER ACE



Construction

- 1: Rubber impregnated canvas
- 2: Polyester tensile members
- 3: Chloroprene insulation rubber
- 4: Special lateral reinforcing cord
- 5: Chloroprene compression rubber

Features

- High horsepower rating
Requires about 1/3 of the space needed by traditional Multiple V Belt drive.
- Long life
- High heat and oil resistance
- Length stability. A matched set of Bando Power Ace for multiple belt drives retains superior uniformity under tension. A Bando matched set remains perfectly matched even after long periods of storage.
- Power Ace raised crookedness nature by making texture of canvas into 120 degrees instead of 90 degrees of conventional V-belt.

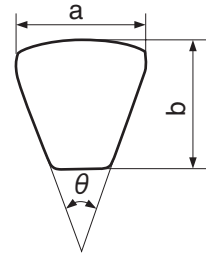
Power Ace
Outer Jacket.



Conventional V-belt
Outer Jacket.

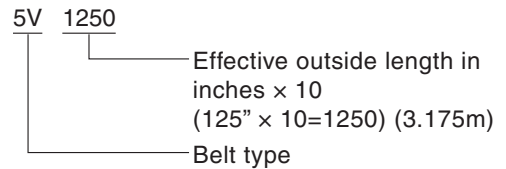


Dimensions



Type	Top width a	Thickness b	Angle θ
3V	9.5mm (0.38")	8.0mm (0.32")	40°
5V	16.0mm (0.62")	13.5mm (0.54")	40°
8V	25.5mm (1.0")	23.0mm (0.88")	40°

Size mark



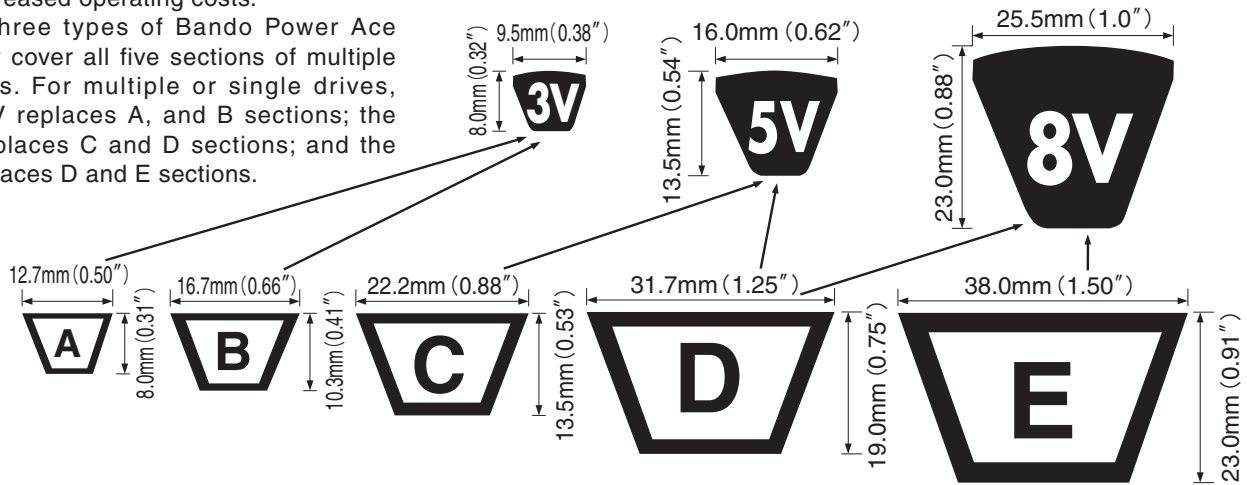
Pulley

Use RMA Engineering Standards recommended pulley groove dimensions, IP-22 (Specifications for Drives Using Narrow Multiple V-BELTS).

BANDO POWER ACE

The superior power transmission capacity of the Bando narrow Power Ace® V-belts allows for drive designs with smaller components reducing machine space and cost. The higher efficiency of the Power Ace® V-belts will also result in decreased operating costs.

Just three types of Bando Power Ace ideally cover all five sections of multiple V-belts. For multiple or single drives, the 3V replaces A, and B sections; the 5V replaces C and D sections; and the 8V replaces D and E sections.

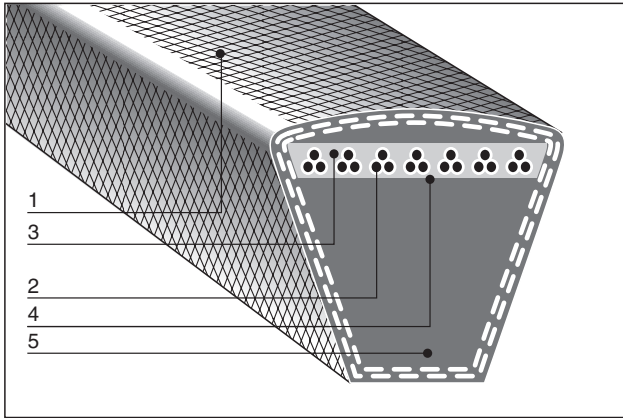


Standard Sizes

※These sizes are in conformity to RMA.

Belt number	Effective outside length		Belt number	Effective outside length		Belt number	Effective outside length	
	mm	inch		mm	inch		mm	inch
3V 250	635	25.0	3V 475	1207	47.5	3V 900	2286	90.0
3V 265	673	26.5	3V 500	1270	50.0	3V 950	2413	95.0
3V 280	711	28.0	3V 530	1346	53.0	3V1000	2540	100.0
3V 300	762	30.0	3V 560	1422	56.0	3V1060	2692	106.0
3V 315	800	31.5	3V 600	1524	60.0	3V1120	2845	112.0
3V 335	851	33.5	3V 630	1600	63.0	3V1180	2997	118.0
3V 355	902	35.5	3V 670	1702	67.0	3V1250	3175	125.0
3V 375	953	37.5	3V 710	1803	71.0	3V1320	3353	132.0
3V 400	1016	40.0	3V 750	1905	75.0	3V1400	3556	140.0
3V 425	1080	42.5	3V 800	2032	80.0			
3V 450	1143	45.0	3V 850	2159	85.0			
5V 500	1270	50.0	5V1000	2540	100.0	5V2000	5080	200.0
5V 530	1346	53.0	5V1060	2692	106.0	5V2120	5385	212.0
5V 560	1422	56.0	5V1120	2845	112.0	5V2240	5690	224.0
5V 600	1524	60.0	5V1180	2997	118.0	5V2360	5994	236.0
5V 630	1600	63.0	5V1250	3175	125.0	5V2500	6350	250.0
5V 670	1702	67.0	5V1320	3353	132.0	5V2650	6731	265.0
5V 710	1803	71.0	5V1400	3556	140.0	5V2800	7112	280.0
5V 750	1905	75.0	5V1500	3810	150.0	5V2800	7620	300.0
5V 800	2032	80.0	5V1600	4064	160.0	5V3000	8001	315.0
5V 850	2159	85.0	5V1700	4318	170.0	5V3150	8509	335.0
5V 900	2286	90.0	5V1800	4572	180.0	5V3550	9017	355.0
5V 950	2413	95.0	5V1900	4826	190.0			
8V1000	2540	100.0	8V1800	4572	180.0	8V3150	8001	315.0
8V1060	2692	106.0	8V1900	4826	190.0	8V3350	8509	335.0
8V1120	2845	112.0	8V2000	5080	200.0	8V3550	9017	355.0
8V1180	2997	118.0	8V2120	5385	212.0	8V3750	9525	375.0
8V1250	3175	125.0	8V2240	5690	224.0	8V4000	10160	400.0
8V1320	3353	132.0	8V2360	5994	236.0	8V4250	10795	425.0
8V1400	3556	140.0	8V2500	6350	250.0	8V4500	11430	450.0
8V1500	3810	150.0	8V2650	6731	265.0	8V4750	12065	475.0
8V1600	4064	160.0	8V2800	7112	280.0	8V5000	12700	500.0
8V1700	4318	170.0	8V3000	7620	300.0	8V5600	14224	560.0

BANDO NARROW V BELTS SP-TYPE



Construction

- 1: Rubber impregnated canvas
- 2: Polyester tensile members
- 3: Chloroprene insulation rubber
- 4: Special lateral reinforcing cord
- 5: Chloroprene compression rubber

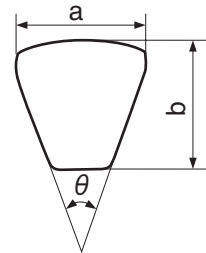
Features

- High horsepower rating
Requires about 1/3 of the space needed by traditional Multiple V Belt drive.
- Long life
- High heat and oil resistance
- Length stability. A matched set of Bando Narrow V-Belts for multiple belt drives retains superior uniformity under tension. A Bando matched set remains perfectly matched even after long periods of storage.
- Compared with Conventional V-belt. Bando Narrow V Belts are thick and realized high load.

Standard Sizes

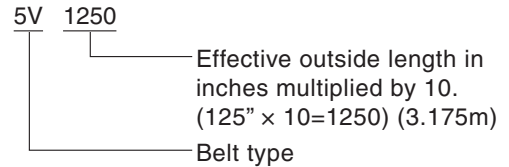
Belt number	Effective inside length		Belt number	Effective inside length		Belt number	Effective inside length	
	mm			mm			mm	
SPZ	630		SPA	707		SPB	1260	
SPZ	670		SPA	732		SPB	1340	
SPZ	710		SPA	800		SPB	1410	
SPZ	760		SPA	850		SPB	1510	
SPZ	800		SPA	900		SPB	1590	
SPZ	850		SPA	950		SPB	1690	
SPZ	900		SPA	957		SPB	1800	
SPZ	950		SPA	982		SPB	1900	
SPZ	1010		SPA	1000		SPB	2020	
SPZ	1080		SPA	1060		SPB	2150	
SPZ	1140		SPA	1120		SPB	2280	
SPZ	1200		SPA	1180		SPB	2410	
SPZ	1270		SPA	1250				
SPZ	1340		SPA	1320				
SPZ	1420		SPA	1400				
SPZ	1520		SPA	1500				
SPZ	1600		SPA	1600				
SPZ	1700		SPA	1700				
SPZ	1800		SPA	1800				
SPZ	1900							
SPZ	2030							

Dimensions



Type	Top width a	Thickness b	Angle θ
SPZ	9.5	8.0mm	40°
SPA	12.5mm	10.0mm	40°
SPB	16.0mm	13.5mm	40°
SPC	20.0mm	18.0mm	40°

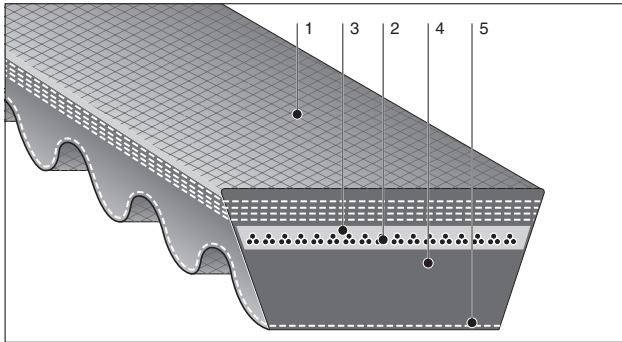
Size mark



Pulley

Use RMA Engineering Standards recommended pulley groove dimensions, IP-22 (Specifications for Drives Using Narrow Multiple V-BELTS).

BANDO VARIABLE SPEED BELTS



Construction

- 1: Rubber impregnated canvas
- 2: Polyester tensile members
- 3: Chloroprene insulation rubber
- 4: Chloroprene compression rubber
- 5: Rubber impregnated canvas

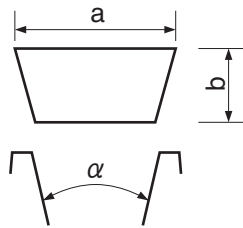
Features + Benefits

- Flexibility
Cog pattern gives greater flexibility resulting in efficient heat dissipation.
- High power transmission capacity
Strong tensile members and transverse modulus provide high horsepower rating.
- High heat and oil resistance.
- Wide range of speed ratios.

(1) Standard Sizes

Standard belt profiles are shown in Fig.1 and sizes are listed in Fig.2

Dimensions



Size mark

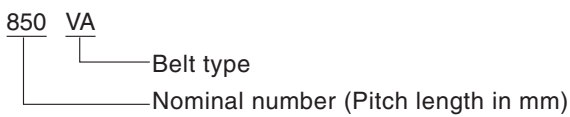


Fig.1 Standard Profiles

Type	VA	VB	VC	VD	VE
Thickness (b mm)	8.5	10	11.5	13.5	16
Top width (a mm)	25	31	41	52	66
Pulley Groove Angle (α°)	30~34				

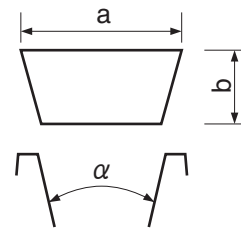
Fig.2 Standard Sizes

Nominal No.	VA	VB	VC	VD	VE	Nominal No.	VA	VB	VC	VD	VE
560	○					1000	○	○	○	○	
600	○					1030			○	○	
615	○					1060	○	○	○	○	
630	○	○				1090			○	○	○
650	○	○				1120	○	○	○	○	○
670	○	○				1150			○	○	○
690	○	○				1180	○	○	○	○	○
710	○	○	○			1220			○	○	○
730	○	○	○			1250		○	○	○	○
750	○	○	○			1280			○	○	○
775	○	○	○			1320			○	○	○
800	○	○	○	○		1360			○	○	○
825	○	○	○	○		1400			○	○	○
850	○	○	○	○		1450			○	○	○
875		○	○	○		1500			○	○	○
900	○	○	○	○		1550			○	○	○
925		○	○	○		1600			○	○	○
950	○	○	○	○		1700				○	○
975		○	○	○		1800				○	○

(2) Semi-Standard Sizes

Semi-standard profiles are available within the range of top width and pulley groove angles shown in Fig.3. Belt lengths are as per Fig.2

Dimensions



Size mark

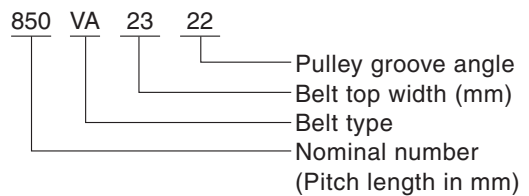


Fig.3 Semi-Standard Profiles

Type	VA	VB	VC	VD	VE
Thickness (b mm)	8.5	10	11.5	13.5	16
Top width (a mm)	16~32	20~38	24~45	30~54	37~67
Pulley Groove Angle α	22~38				