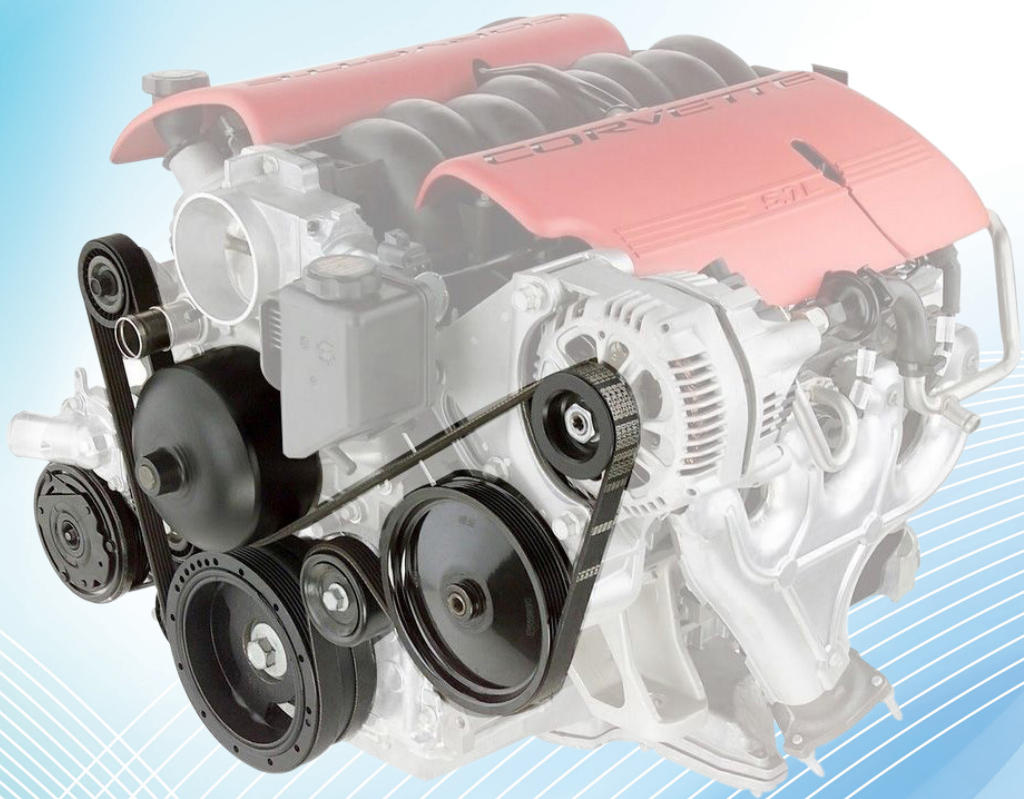


BAOPOWER

PRODUCTS GUIDE



POWER TRANSMISSION BELT

Drive solutions with BAOPOWER

ZHEJIANG POWERBELT CO., LTD. was established in 1994 by Mr. RenPing Bao, it is located in No.27 of ShiFeng East Road, Tiantai City, Zhejiang Province, China. Now it's a leading enterprise specializing in manufacturing all kinds of high quality Rubber Belts, such as Wrapped V Belt, Cogged V Belt, Timing Belt , Poly V Belt and Conveyor Belt.

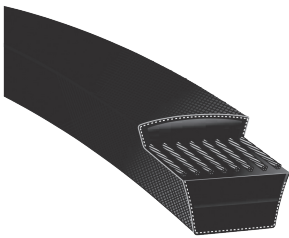
After 20 year rapid development, the company with a area of 100,000m², total assets of over sixty million Dollars, and a staff of more than 400. Our Belts have been sold more than 50 Countries and enjoying a high reputation.

Our aim is to be the world's leading transmission belt company in next ten years and to be the most famous brand in the world. We expect cooperation with customers for a bright future.

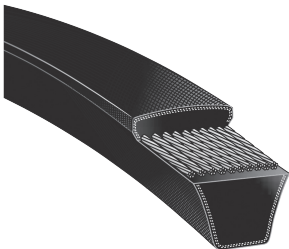


WRAPPED V-BELT

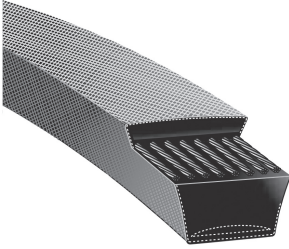
CLASSIC V BELT

	Type	Top Width (mm)	Pitch Width (mm)	Height (mm)	Wedge Angle	Conversion Table		Length Standard	Minimum Diameter of pulley (mm)	Weight/ m (kgs)
	Z	10	8.5	6	40	$Li=Lw-25$	$La=Li+38$	La/Lw/Li	50	0.065
	A	13	11	8	40	$Li=Lw-33$	$La=Li+50$	La/Lw/Li	75	0.112
	B	17	14	11	40	$Li=Lw-43$	$La=Li+69$	La/Lw/Li	125	0.192
	C	22	19	14	40	$Li=Lw-56$	$La=Li+88$	La/Lw/Li	200	0.31
	D	32	27	19	40	$Li=Lw-82$	$La=Li+119$	La/Lw/Li	355	0.61
	E	38	32	23	40	$Li=Lw-95$	$La=Li+145$	La/Lw/Li	500	0.94
	F	50	42.5	30	40	$Li=Lw-120$	$La=Li+188$	La/Lw/Li		1.58

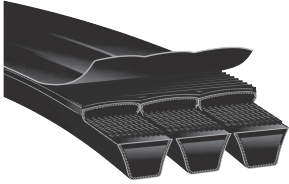
NARROW V BELT

	Type	Top Width (mm)	Pitch Width (mm)	Height (mm)	Wedge Angle	Conversion Table		Length Standard	Minimum Diameter of pulley (mm)	Weight/ m (kgs)
	SPZ	10	8	8	40	$Lw=Li+37$	$La=Li+50$	Lw	63	0.075
	SPA	13	11	10	40	$Lw=Li+45$	$La=Li+63$	Lw	90	0.125
	SPB	17	14	14	40	$Lw=Li+60$	$La=Li+88$	Lw	140	0.22
	SPC	22	19	18	40	$Lw=Li+83$	$La=Li+113$	Lw	224	0.375
	3V(9N)	9.5		8	40	$La=Li+50$	$Li=Lw-37$	La	67	0.075
	5V(15N)	16		13.5	40	$La=Li+85$	$Li=Lw-60$	La	180	0.21
	8V(25N)	25.5		23	40	$La=Li+145$	$Li=Lw-92$	La	330	0.525

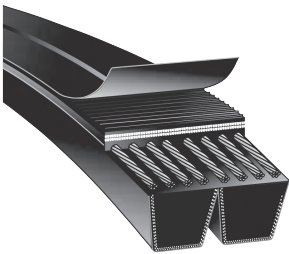
LIGHT DUTY V BELT

	Type	Top Width (mm)	Pitch Width (mm)	Height (mm)	Wedge Angle	Conversion Table		Length Standard	Minimum Diameter of pulley (mm)	Weight/ m (kgs)
	3L	10	8.5	6	40	$Li=Lw-25$	$La=Li+38$	La/Li	50	0.07
	4L	13	11	8	40	$Li=Lw-33$	$La=Li+50$	La/Li	75	0.112
	5L	17	14	11	40	$Li=Lw-43$	$La=Li+69$	La/Li	125	0.19

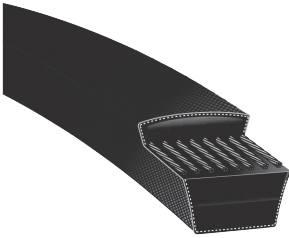
BANDED V BELT

	Type	Top Width (mm)	Pitch Width (mm)	Height (mm)	Wedge Angle	Conversion Table		Length Standard	Max Banded (pcs)	Weight/ m (kgs)
	HA	13.6	15.6	10	40	$Li=La-63$	$Li=Lw-33$	La/Lw/Li		0.163
	HB	17	19	13	40	$Li=La-82$	$Li=Lw-43$	La/Lw/Li	28	0.266
	HC	22.4	25.5	16	40	$Li=La-100$	$Li=Lw-56$	La/Lw/Li	18	0.45
	HD	32.8	37	21.5	40	$Li=La-135$	$Li=Lw-82$	La/Lw/Li	12	0.798

BANDED NARROW V BELT

	Type	Top Width	Pitch Width	Height	Wedge Angle	Conversion Table	Length Standard	Max Banded	Weight/m
		(mm)	(mm)	(mm)				(pcs)	(kgs)
	HSPZ	10.5		10	40	$L_w = L_i + 37$	Lw	32	0.13
	HSPA	13.6		12.3	40	$L_w = L_i + 45$	Lw		0.18
	HSPB	17	19.05	16.5	40	$L_w = L_i + 60$	Lw	25	0.28
	HSPC	22	25.5	21	40	$L_w = L_i + 83$	Lw	21	0.58
	H3V	9.7	10.3	9.7	40	$L_a = L_i + 63$	La	32	0.1
	H5V	15.7	17.5	15.7	40	$L_a = L_i + 98$	La	30	0.27
	H8V	25.4	28.6	25.4	40	$L_a = L_i + 157$	La	18	0.7

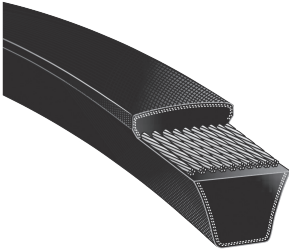
AGRICULTURAL VARIABLE SPEED BELT

	Type	Top Width	Pitch Width	Height	Wedge Angle	Conversion Table		Length Standard	Weight/m
		(mm)	(mm)	(mm)					(kgs)
	HG(HB)	16.5	15.4	8	26	$L_i = L_a - 50$	$L_w = L_a - 16$	Li	0.16
	HH(HC)	20.4	19	10	26	$L_i = L_a - 63$	$L_w = L_a - 19$	Li	0.255
	HI	25.4	23.6	12.7	26	$L_i = L_a - 80$	$L_w = L_a - 24$	Li	0.403
	HJ	31.8	29.6	15.1	26	$L_i = L_a - 95$	$L_w = L_a - 30$	Li	0.56
	HK	38.1	35.5	17.5	26	$L_i = L_a - 110$	$L_w = L_a - 36$	Li	0.79
	HL	44.5	41.4	19.8	26	$L_i = L_a - 125$	$L_w = L_a - 41$	Li	1.15
	HM	50.8	47.3	22.2	26	$L_i = L_a - 140$	$L_w = L_a - 48$	Li	1.44
	HN	57.2	53.2	23.9	26	$L_i = L_a - 150$	$L_w = L_a - 53$	Li	1.7
	HO	63.5	59.1	25.4	26	$L_i = L_a - 160$	$L_w = L_a - 60$	Li	1.96

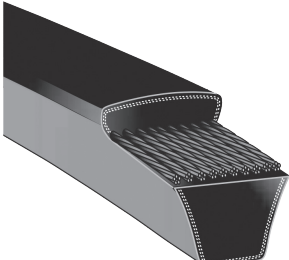
HEXANGULAR V BELT

	Type	Top Width	Height	Wedge Angle	Conversion Table	Length Standard	Weight/m
		(mm)	(mm)				(kgs)
	AA	13	10	40	$L_i = L_a - 63$	Lw/Li	0.15
	BB	17	13	40	$L_i = L_a - 82$	Lw/Li	0.25
	CC	22	17	40	$L_i = L_a - 107$	Lw/Li	0.44

RUSSIA MARKET V BELT

	Type	Top Width	Height	Wedge Angle	Length Standard	Weight/m
		(mm)	(mm)			(kgs)
	8.5*8	10.5	8	40	Lw	0.07
	10*8	12	8	40	Lw	0.09
	11*10	13	10	40	Lw	0.13
	12.5*9	15	9	40	Lw	0.155
	14*10	17	10	40	Lw	0.19
	14*13	17	13	40	Lw	0.22
	16*11	19	11	40	Lw	0.23
	19*12.5	22	12.5	40	Lw	0.31
	21*14	25	14	40	Lw	0.375

AGRICULTURAL V BELT

	Type	Top Width	Height	Length Standard
		(mm)	(mm)	
	SA	12.7	7	La/Li
	SB	16.7	9	La/Li
	SC	22.2	11	La/Li

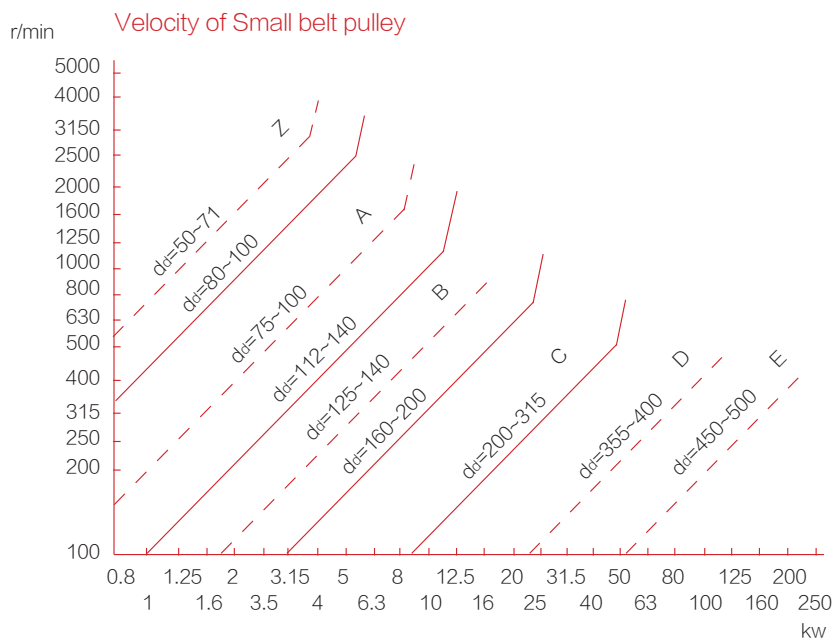


MAINTENANCE-FREE

DESIGN PHILOSOPHY: THE RATE OF CHANGE FROM THE CENTER NO MORE THAN 0.8%, ONCE CORRECTLY TENSIONED THE V BELTS NEED NO MORE RETENSIONING.

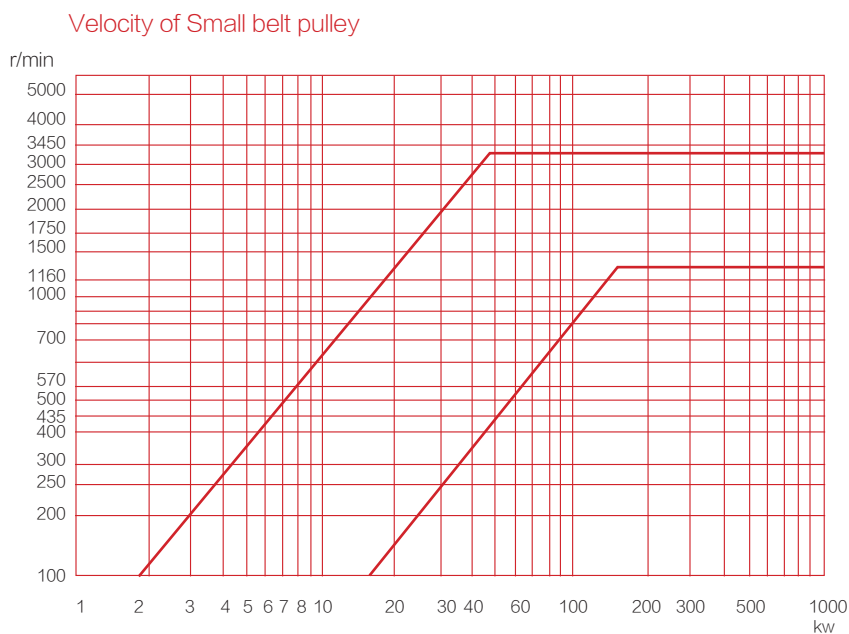
Choices of V-belt Type

The type of Classical V-belt should be selected as per both the transmission defined power and the velocity of small belt pulley,see picture 1:



picture 1

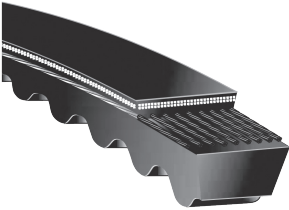
The type of Wedge V-belt should be selected as per both the transmission defined power and the velocity of small belt pulley,see picture 2;If choosing point is lied to the boundary of two belt types,please design as these twos then select one according to actual conditions.



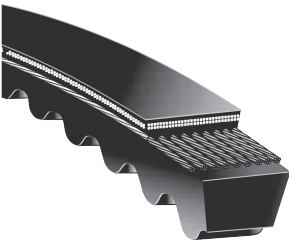
picture 2

COGGED V-BELT

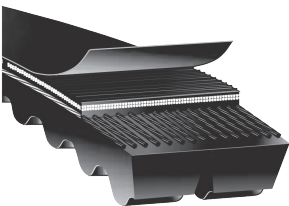
COGGED V BELT

	Type	Top Width	Pitch Width	Height	Wedge Angle	Conversion Table		Length Standard	Minimum Diameter of pulley (mm)	Weight/ m
		(mm)	(mm)	(mm)						(kgs)
	ZX (RECMF)	10	8.5	6	40	$Li=Lw-25$	$La=Li+38$	Lw/Li	40	0.062
	AX (RPF3)	13	11	8	40	$Li=Lw-33$	$La=Li+50$	Lw/Li	56	0.099
	BX (RPF5)	17	14	11	40	$Li=Lw-43$	$La=Li+69$	Lw/Li	90	0.176
	CX (RPF7)	22	19	14	40	$Li=Lw-56$	$La=Li+88$	Lw/Li	140	0.276
	DX	32	27	19	40	$Li=Lw-82$	$La=Li+119$	Lw/Li		0.598
	EX	38	32	23	40	$Li=Lw-95$	$La=Li+145$	Lw/Li		0.933

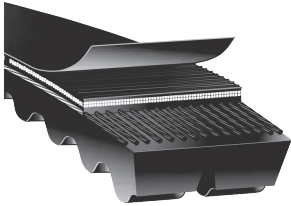
COGGED NARROW V BELT

	Type	Top Width	Pitch Width	Height	Wedge Angle	Conversion Table		Length Standard	Minimum Diameter of pulley (mm)	Weight/ m
		(mm)	(mm)	(mm)						(kgs)
	XPZ	10	8	8	40	$Li=La-50$	$Lw=La-13$	Lw	50	0.065
	XPA	13	11	10	40	$Li=La-63$	$Lw=La-18$	Lw	63	0.11
	XPB	17	14	14	40	$Li=La-82$	$Lw=La-22$	Lw	100	0.2
	XPC	22	19	18	40	$Li=La-113$	$Lw=La-30$	Lw	160	0.323
	3VX	9.5		8	40	$Li=La-50$	$Lw=Le-4$	La	56	0.063
	5VX	16		13.5	40	$Li=La-82$	$Lw=Le-11$	La	112	0.182
	8VX	25.5		23	40	$Li=La-144$	$Lw=Le-16$	La		0.51

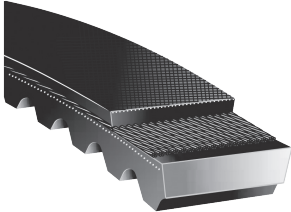
BANDED COGGED V BELT

	Type	Top Width	Height	Center Distance	Length Standard	Weight/m
		(mm)	(mm)			(kgs)
	RZX	10	8	12	Li	0.08
	RAX	13	10	15.88	Li	0.14
	RBX	17	13	19.05	Li	0.24
	RCX	22	16	25.4	Li	0.42
	RDX	32	21	36.53	Li	0.75

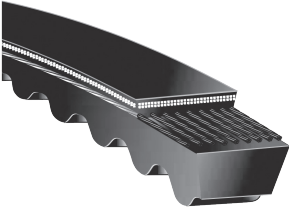
BANDED COGGED NARROW V BELT

	Type	Top Width	Height	Center Distance	Length Standard	Weight/m
		(mm)	(mm)			(kgs)
	RXPZ	9.7	10	12	Lw	0.105
	RXPA	12.7	12	15	Lw	0.16
	RPXB	16.3	15	19	Lw	0.26
	RXPC	22	20	25.5	Lw	0.533
	R3VX	9	10	10.3	La	0.095
	R5VX	15	15	17.5	La	0.255
	R8VX	25.5	25	28.6	La	0.655

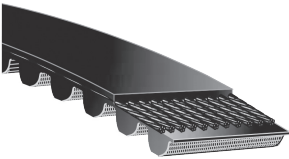
INDUSTRIAL VARIABLE SPEED BELT

	Type	Top Width	Height	Length Standard	Weight/m
		(mm)	(mm)		(kgs)
	1022V	16	6	Lw	
	1422V	22	8	Lw	0.174
	1922V	30	10	Lw	0.381
	2322V	37	11	Lw	0.529
	1926V	30	11	Lw	0.411
	2926V	46	13	Lw	0.584
	3226V	51	13	Lw	0.883
	2530V	40	15	Lw	0.744
	3230V	51	16	Lw	1.051
	4430V	70	18	Lw	1.677
	4036V	64	18	Lw	1.512
	4436V	70	18	Lw	1.677
	4836V	76	19	Lw	1.93
	6236V	100	26	Lw	
	W16	17	6	Lw	0.144
	W20	21	7	Lw	0.198
	W25	26	8	Lw	0.215
	W31.5	33	10	Lw	0.43
	W40	42	13	Lw	0.562
	W50	52	16	Lw	1.03
	W63	65	0	Lw	1.71
	W80	83	26	Lw	2.45
	W100	104	32	Lw	

AUTOMOTIVE BELT

	Type	Top Width	Height	Wedge Angle	Length Standard	Weight/m
		(mm)	(mm)			(kgs)
	AV10	10.7	8	36	La	0.062
	AV13	13	9	36	La	0.099
	AV15	15	11	38	La	
	AV17	17	11	38	La	0.176
	AV22	22.2	13.5	38	La	0.276

MOTORCYCLE BELT

	Type	Top Width	Height	Length Standard	Weight/m
		(mm)	(mm)		(kgs)
	VS15	15	8.5	Le	0.132
	VX15.5	15.5	8.5	Le	0.138
	VS16.5	16.5	8.5	Le	0.15
	VS17	17	8.5	Le	0.156
	VS18	18	8.5	Le	0.68
	VS19	19	10	Le	0.202
	VS20	20	10	Le	0.216
	VS22	22	11	Le	0.262



HIGH POWER RATINGS

HIGH TEMPERATURE
RESISTANT

TIMING BELT&POLY BELT

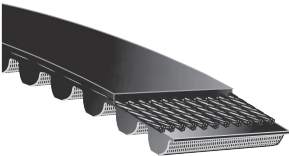
AUTO TIMING BELT

	Type	Pitch	Tooth Height	Belt Thickness	Inter-Tooth Space	Rr	Ra
	ZA	9.525	1.91	4.1	0.686	0.51	0.51
	MR	9.525	3.54	5.69		0.76	2.5
	RU	9.525	2.29	4.5	0.686	1.02	1.02
	ZBS	9.525	2.8	5.1	0.686	1	3.6
	Y(MY)	8.000	3.06	5.21		0.3	2.2
	ZD	9.525	3.5	5.5	0.686	0.76	2.45
	S8M	8.000	3.04	5.2	0.686	0.64	0.11
	YU	8.000	3.05	5.2		0.3	0.078

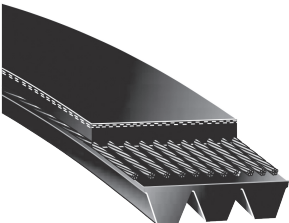
INDUSTRIAL TIMING BELT

 	Type	Pitch	Tooth Height	Belt Thickness	Angle	Allowed Min Diameter D(mm)	Weight/ m(kgs)
	MXL	2.032	0.51	1.14	40	15	0.0014
	XXL	3.175	0.76	1.52	50		0.0018
	XL	5.080	1.27	2.30	50	15	0.0025
	L	9.525	1.91	3.60	40	20	0.0035
	H	12.700	2.29	4.30	40	40	0.0047
	XH	22.225	6.35	11.20	40	70	0.011
	XXH	31.750	9.53	15.70	40	100	0.0132
	T2.5	2.500	0.70	1.30	40	15	0.0018
	T5	5	1.20	2.20	40	15	0.0027
	T10	10	2.50	4.50	40	20	0.0052
	T20	20	5.00	8.00	40	70	0.0113
	AT5	5	1.50	2.70	50	20	0.0037
	AT10	10	2.50	5.00	50	40	0.0064
	AT20	20	5.00	8.00	50		0.011

INDUSTRIAL TIMING BELT

	Gear Code	Type	Pitch	Tooth Height	Belt Thickness	Allowed Min Diameter D(mm)	Weight/ m(kgs)
	H	2M	2	0.75	1.36	15	0.0023
		3M	3	1.17	2.4	15	0.0029
		5M	5	2.06	3.8	25	0.0038
		8M	8	3.36	6	40	0.0066
		14M	14	6.02	10	80	0.0111
		20M	20	8.4	13.2		0.0177
	S	S2M	2	0.76	1.36	15	0.0023
		S3M	3	1.14	2.2	15	0.0029
		S4.5M	4.5	1.71	2.81	25	0.0033
		S5M	5	1.91	3.4	25	0.0037
		S8M	8	3.05	5.3	40	0.0057
		S14M	11	5.3	10.2	80	0.0106
	RPP/ HPPD	RP2M	2	0.76	1.36	15	
		RP3M	3	1.15	1.9	15	0.0029
		RP5M	5	1.95	3.5	25	0.0037
		RP8M	8	3.2	5.5	40	0.0057
		RP14M	14	6	10	80	0.0106

POLY V BELT

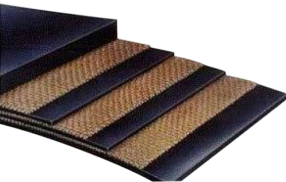
	Type	Height (mm)	Center Distance	Wedge Angle	Length standard	Weight/m (mm)
	PH	3	1.6	40	Le	0.008
	PJ	3.5	2.34	40	Le	0.01
	PK	6	3.56	40	Le	0.02
	PL	9.5	4.7	40	Le	0.036
	PM	16.5	9.4	40	Le	0.124
	DPJ	5.6	2.34	40	Le	0.02
	DPK	8.8	3.56	40	Le	0.03
	DPL	15	4.7	40	Le	0.062

CONVEYOR BELT

POLYESTER CONVEYOR BELT

	Carcass	Fabric Structure		Type	No. of Plies	Cover Thickness(mm)		Belt Width (mm)
		Warp	Weft			Top	Bottom	
	EP	Polyester	Nylon-66	EP80	2--6	3.0-18.0	1.5-10.0	300-2500
				EP100				
				EP125				
				EP150				
				EP200				
				EP250				
				EP300				
				EP350				
				EP400				
				EP500				

NYLON CONVEYOR BELT

	Carcass	Fabric Structure		Type	No. of Plies	Cover Thickness(mm)		Belt Width (mm)
		Warp	Weft			Top	Bottom	
	NN	Nylon-66	Nylon-66	NN80	2--6	3.0-18.0	1.5-10.0	300-2500
				NN100				
				NN125				
				NN150				
				NN200				
				NN250				
				NN300				
				NN350				
				NN400				
				NN500				

COTTON CONVEYOR BELT

	Carcass	Fabric Structure		Type	No. of Plies	Cover Thickness(mm)		Belt Width (mm)
		Warp	Weft			Top	Bottom	
	NN	Cotton	Cotton	CC-56	2--6	3.0-18.0	1.5-10.0	300-2500
	TC	Polyester	Cotton	TC-70				

Heat Resistant Conveyor Belt

- Heat resistant conveyor belt can be divided into three types according to working temperature range:
HRT-1 =100℃ , HRT-2=125℃ , HRT-3=150℃ .

Oil Resistant Conveyor Belt

Flame Resistant Conveyor Belt

Cold Resistant Conveyor Belt

Chemical Resistant Conveyor Belt

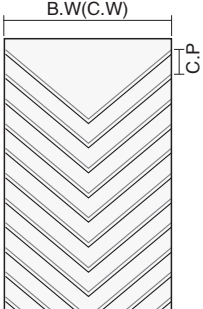
Standards	Cover Rubber			Adhesion		
	Tensile Strength	Elongation at break	Abrasion	Cover to Ply	Cover to Ply	Ply to Ply
DIN 22102	Mpa	%	mm ³	N/mm	N/mm	N/mm
				(≤ 1.5mm)	(>1.5mm)	
DIN 22102-Z	15	350	250	3.5	4.5	5
DIN 22102-W	18	400	90	3.5	4.5	5
DIN 22102-Y	20	400	150	3.5	4.5	5
DIN 22102-X	25	450	120	3.5	4.5	5
RMA-I	17	400	125	3	4.4	4
RMA-II	14	400	175	3	4.4	4
Light	10	350	280	3.5	4.5	5
	12	350	260	3.5	4.5	5

- We could offer belt with cover grade in accordance to International standard such as DIN 22102, RMA, AS 1332, SABS 1173/2000, IS 1891, BS 490, JIS K 6322, etc.

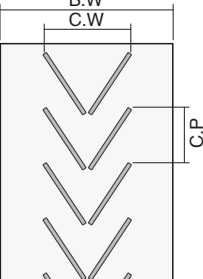
CHEVRON CONVEYOR BELT

CLEAT PATTERN RANGES

V6

	Cleat Height(mm)	Cleat Width(mm)	Pitch(mm)	Belt Width(mm)	Item No.
	6	500~1000	80	500~1200	V6-80-1000
	6	400~1000	100	400~1000	V6-100-1000
	6	1200	240	1200~1600	V6-240-1200
	6	1015	260	1000~1200	V6-260-1015
	6	500~1200	150	500~1200	V6-150-1200
	6	650	100	650~900	V6-100-650
	6	1000	100	1000~1200	V6-100-1000
	6	1200	100	1200~1600	V6-100-1200

Open V15

	Cleat Height(mm)	Cleat Width(mm)	Pitch(mm)	Belt Width(mm)	Item No.
	15	300	146	400~550	V15-146-300
	15	380	250	450~850	V15-250-380
	15	385	250	400~1000	V15-280-385
	15	450	225	600~650	V15-225-450
	15	600	328	700~1200	V15-328-600
	15	600	250	650~1000	V15-250-600
	15	750	250	800~1200	V15-250-750

RUBBER SHEETING

	Type	Specific Gravity (g/cc)	Hardness (Shore A)	Tensile Strength (Mpa)	Elongation at break %	Color
	NR/SBR	1.45	50±5	5	300	black
		1.5	60±5	4	250	black
		1.6	65±5	3	250	black
		1.7	70±5	2-2.5	200	black
	NR/SBR 1 Ply	1.6	65±5	3	250	black
	NR/SBR 2 Ply	1.6	65±5	3	250	black
	red SBR Sheetting	1.7	80±5	3	200	red
	grey	1.7	80±5	3	200	grey

Specification

Thickness: 1mm~50mm

Width: 0.5m~2m

Length: 1m~30m



 **BAOPOWER**

EP400/3

42"x(1/4+1/8)x200M

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EP400/3

42"x(1/4+1/8)x200M



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