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.

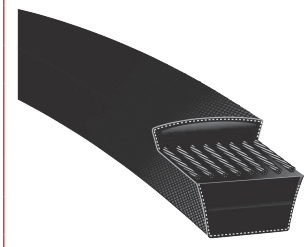
After 20 year rapid development, the company with a area of 100,000m^2, total assets of over sixty million Dollars, and a staff of more than 400. Our Belts have been sold more than 50 Countries and enjoying a high reputation.

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.



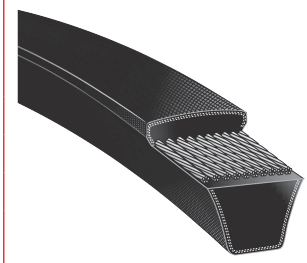
WRAPPED V-BELT

CLASSIC V BELT



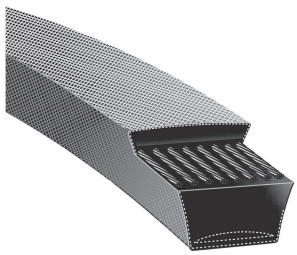
Type	Top Width (mm)	Pitch Width (mm)	Height (mm)	Wedge Angle	Conversion Table		Length Standard	Minimum Diameter of pulley (mm)	Weight/m (kgs)
Z	10	8.5	6	40	Li=Lw-25	La=Li+38	La/Lw/Li	50	0.065
A	13	11	8	40	Li=Lw-33	La=Li+50	La/Lw/Li	75	0.112
B	17	14	11	40	Li=Lw-43	La=Li+69	La/Lw/Li	125	0.192
C	22	19	14	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



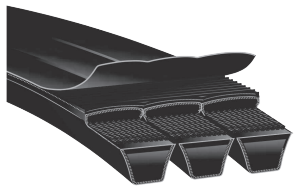
Type	Top Width (mm)	Pitch Width (mm)	Height (mm)	Wedge Angle	Conversion Table		Length Standard	Minimum Diameter of pulley (mm)	Weight/m (kgs)
SPZ	10	8	8	40	Lw=Li+37	La=Li+50	Lw	63	0.075
SPA	13	11	10	40	Lw=Li+45	La=Li+63	Lw	90	0.125
SPB	17	14	14	40	Lw=Li+60	La=Li+88	Lw	140	0.22
SPC	22	19	18	40	Lw=Li+83	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



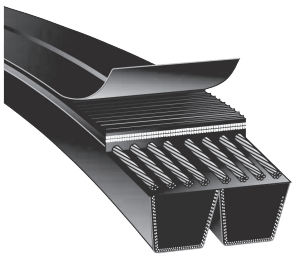
Type	Top Width (mm)	Pitch Width (mm)	Height (mm)	Wedge Angle	Conversion Table		Length Standard	Minimum Diameter of pulley (mm)	Weight/m (kgs)
3L	10	8.5	6	40	Li=Lw-25	La=Li+38	La/Li	50	0.07
4L	13	11	8	40	Li=Lw-33	La=Li+50	La/Li	75	0.112
5L	17	14	11	40	Li=Lw-43	La=Li+69	La/Li	125	0.19

BANDED V BELT



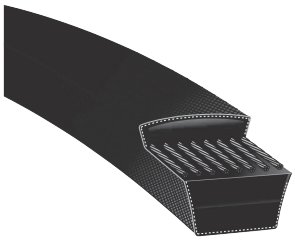
Type	Top Width (mm)	Pitch Width (mm)	Height (mm)	Wedge Angle	Conversion Table		Length Standard	Max Banded (pcs)	Weight/m (kgs)
HA	13.6	15.6	10	40	Li=La-63	Li=Lw-33	La/Lw/Li		0.163
HB	17	19	13	40	Li=La-82	Li=Lw-43	La/Lw/Li	28	0.266
HC	22.4	25.5	16	40	Li=La-100	Li=Lw-56	La/Lw/Li	18	0.45
HD	32.8	37	21.5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

BANDED NARROW V BELT



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

AGRICULTURAL VARIABLE SPEED BELT



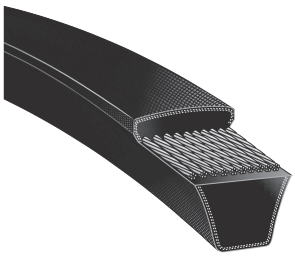
Type	Top Width (mm)	Pitch Width (mm)	Height (mm)	Wedge Angle	Conversion Table		Length Standard	Weight/m (kgs)
HG(HB)	16.5	15.4	8	26	Li=La-50	Lw=La-16	Li	0.16
HH(HC)	20.4	19	10	26	Li=La-63	Lw=La-19	Li	0.255
HI	25.4	23.6	12.7	26	Li=La-80	Lw=La-24	Li	0.403
HJ	31.8	29.6	15.1	26	Li=La-95	Lw=La-30	Li	0.56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

HEXANGULAR V BELT



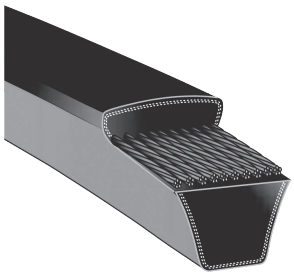
Type	Top Width (mm)	Height (mm)	Wedge Angle	Conversion Table	Length Standard	Weight/m (kgs)
AA	13	10	40	Li=La-63	Lw/Li	0.15
BB	17	13	40	Li=La-82	Lw/Li	0.25
CC	22	17	40	Li=La-107	Lw/Li	0.44

RUSSIA MARKET V BELT



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

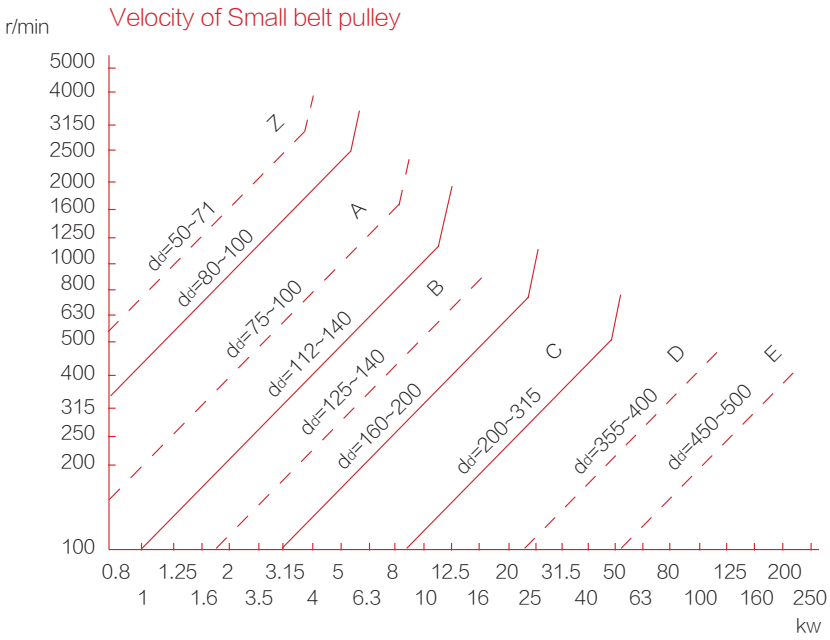


MAINTENANCE–FREE

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

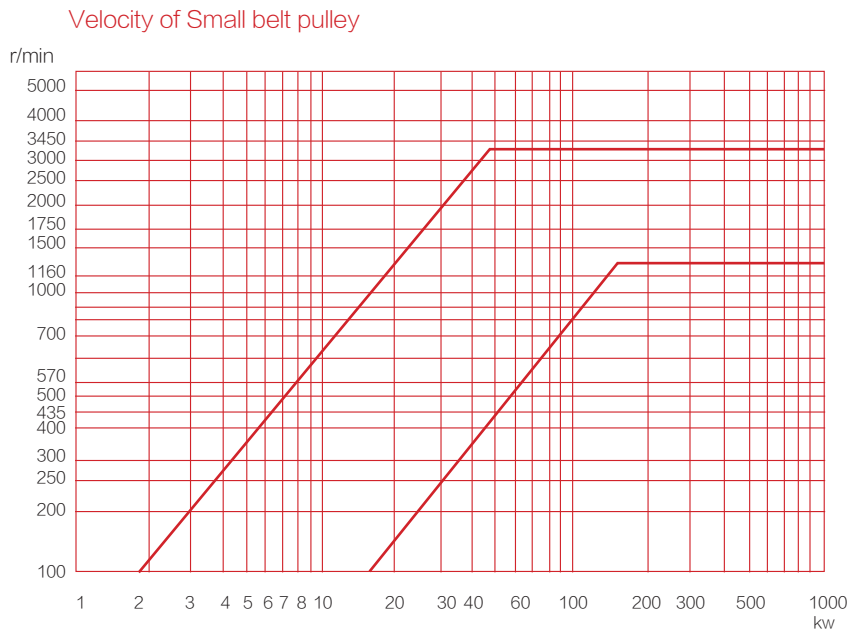
Choices of V-belt Type

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

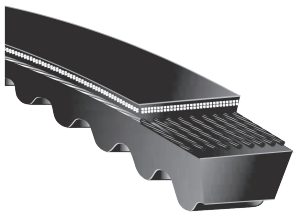
The type of Wedge V-belt should be selected as per both the transmission defined power and the velocity of small belt pulley,see picture 2;If choosing point is lied to the boundary of two belt types,please design as these twos then select one according to actual conditions.



picture 2

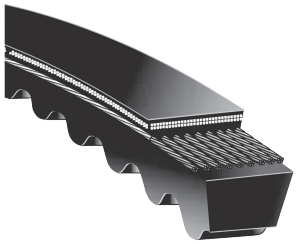
COGGED V-BELT

COGGED V BELT



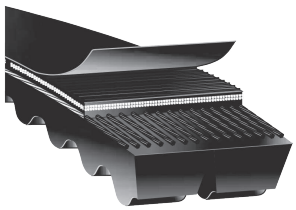
Type	Top Width (mm)	Pitch Width (mm)	Height (mm)	Wedge Angle	Conversion Table		Length Standard	Minimum Diameter of pulley (mm)	Weight/m (kgs)
ZX (RECMF)	10	8.5	6	40	Li=Lw-25	La=Li+38	Lw/Li	40	0.062
AX (RPF3)	13	11	8	40	Li=Lw-33	La=Li+50	Lw/Li	56	0.099
BX (RPF5)	17	14	11	40	Li=Lw-43	La=Li+69	Lw/Li	90	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



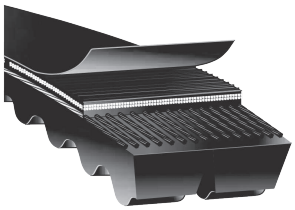
Type	Top Width (mm)	Pitch Width (mm)	Height (mm)	Wedge Angle	Conversion Table		Length Standard	Minimum Diameter of pulley (mm)	Weight/m (kgs)
XPZ	10	8	8	40	Li=La-50	Lw=La-13	Lw	50	0.065
XPA	13	11	10	40	Li=La-63	Lw=La-18	Lw	63	0.11
XPB	17	14	14	40	Li=La-82	Lw=La-22	Lw	100	0.2
XPC	22	19	18	40	Li=La-113	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



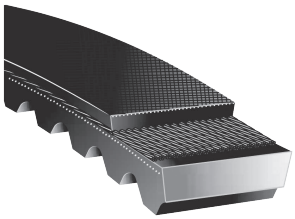
Type	Top Width (mm)	Height (mm)	Center Distance	Length Standard	Weight/m (kgs)
RZX	10	8	12	Li	0.08
RAX	13	10	15.88	Li	0.14
RBX	17	13	19.05	Li	0.24
RCX	22	16	25.4	Li	0.42
RDX	32	21	36.53	Li	0.75

BANDED COGGED NARROW V BELT



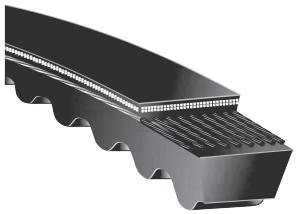
Type	Top Width (mm)	Height (mm)	Center Distance	Length Standard	Weight/m (kgs)
RXPZ	9.7	10	12	Lw	0.105
RXPA	12.7	12	15	Lw	0.16
RPXB	16.3	15	19	Lw	0.26
RXPC	22	20	25.5	Lw	0.533
R3VX	9	10	10.3	La	0.095
R5VX	15	15	17.5	La	0.255
R8VX	25.5	25	28.6	La	0.655

INDUSTRIAL VARIABLE SPEED BELT



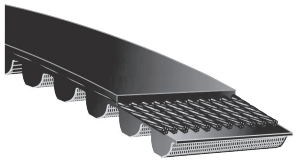
Type	Top Width (mm)	Height (mm)	Length Standard	Weight/m (kgs)
1022V	16	6	Lw	
1422V	22	8	Lw	0.174
1922V	30	10	Lw	0.381
2322V	37	11	Lw	0.529
1926V	30	11	Lw	0.411
2926V	46	13	Lw	0.584
3226V	51	13	Lw	0.883
2530V	40	15	Lw	0.744
3230V	51	16	Lw	1.051
4430V	70	18	Lw	1.677
4036V	64	18	Lw	1.512
4436V	70	18	Lw	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 (mm)	Height (mm)	Wedge Angle	Length Standard	Weight/m (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 (mm)	Height (mm)	Length Standard	Weight/m (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

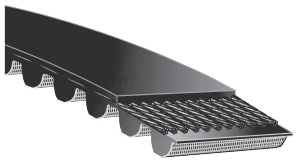
INDUSTRIAL TIMING BELT





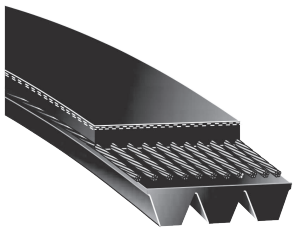
Type	Pitch	Tooth Height	Belt Thickness	Angle	Allowed Min Diameter D(mm)	Weight/ m(kgs)
MXL	2.032	0.51	1.14	40	15	0.0014
XXL	3.175	0.76	1.52	50		0.0018
XL	5.080	1.27	2.30	50	15	0.0025
L	9.525	1.91	3.60	40	20	0.0035
H	12.700	2.29	4.30	40	40	0.0047
XH	22.225	6.35	11.20	40	70	0.011
XXH	31.750	9.53	15.70	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

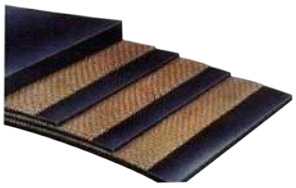
POLY V BELT



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

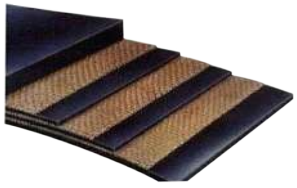
CONVEYOR BELT

POLYESTER CONVEYOR BELT



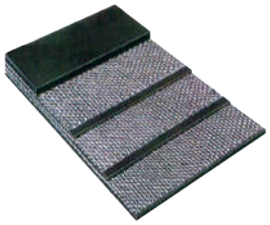
Carcass	Fabric Structure		Type	No. of Plies	Cover Thickness(mm)		Belt Width
	Warp	Weft			Top	Bottom	(mm)
EP	Polyester	Nylon-66	EP80	2--6	3.0-18.0	1.5-10.0	300-2500
			EP100				
			EP125				
			EP150				
			EP200				
			EP250				
			EP300				
			EP350				
			EP400				
			EP500				

NYLON CONVEYOR BELT



Carcass	Fabric Structure		Type	No. of Plies	Cover Thickness(mm)		Belt Width
	Warp	Weft			Top	Bottom	(mm)
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
	Warp	Weft			Top	Bottom	(mm)
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

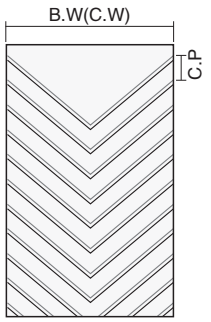
Standards	Cover Rubber			Adhesion		
	Tensile Strength	Elongation at break	Abrasion	Cover to Ply	Cover to Ply	Ply to Ply
DIN 22102	Mpa	%	mm^3	N/mm (⩽ 1.5mm)	N/mm (>1.5mm)	N/mm
DIN 22102-Z	15	350	250	3.5	4.5	5
DIN 22102-W	18	400	90	3.5	4.5	5
DIN 22102-Y	20	400	150	3.5	4.5	5
DIN 22102-X	25	450	120	3.5	4.5	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

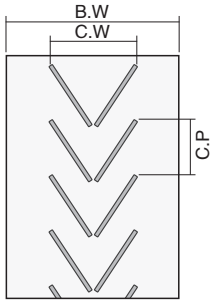
CLEAT PATTERN RANGES

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 Sheeting	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
BAOPOWER
EP400/3
42"x(1/4+1/8)x200M

BAOPOWER

ZHEJIANG POWERBELT CO.,LTD.
Address:No.27 Shifeng East Road, Tiantai City,
Zhejiang Province, China
Tel:+86-576-8393 8608/8393 8618
+86-576-8393 8628/8393 8638
Fax:+86-576-83938618
Email:export@powerbelt.cn
www.baopower.com