

MITSUBOSHI

INDUSTRIAL POWER TRANSMISSION PRODUCTS CONVEYOR BELTS ENGINEERING PLASTIC



To give attentive consideration to both productivity and nature.

All sizes of Mitsubishi Conventional V-belts respectively meet the dimensional requirements as stated in ARPM/RMA IP-20.

RIBSTAR G (Rubber V-ribbed Belt)

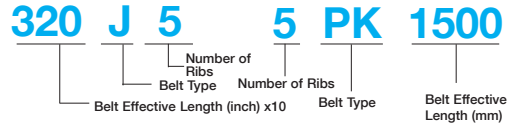
This belt combines the characteristics of the V-belt's high power transmission capability and the Flat Belt flexibility.

- High-efficient operation at high speed.
- It can be used on a small diameter pulley because of its high flexibility.
- Excellent heat resistance and abrasion resistance.
- Compact design application.
- Low belt vibration.

Product Code

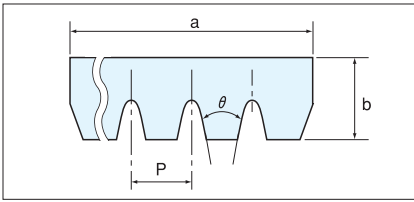
(Example)

PK type : metric system



* Effective Length : The effective outer perimeter

Cross-Sectional Dimensions



Sign	Belt Type	J	PK	L
a (mm)		2.34×N	3.56×N	4.70×N
b (mm)		3.80	5.00	7.50
P (mm)		2.34	3.56	4.70
θ (°)		40	40	40

* N: Number of ribs

Standard Sizes for Industrial RIBSTAR Belt

J				PK				L			
Product Code	Effective Length (mm)	Product Code	Effective Length (mm)	Product Code	Effective Length (mm)	Product Code	Effective Length (mm)	Product Code	Effective Length (mm)	Product Code	Effective Length (mm)
180J	457	440J	1,118	PK600	600	PK1250	1,250	345L	876	580L	1,473
190J	483	445J	1,130	PK615	615	PK1280	1,280	350L	889	590L	1,499
200J	508	450J	1,143	PK630	630	PK1320	1,320	355L	902	600L	1,524
210J	533	460J	1,168	PK650	650	PK1360	1,360	360L	914	615L	1,562
220J	559	470J	1,194	PK690	690	PK1400	1,400	370L	940	635L	1,613
235J	597	480J	1,219	PK710	710	PK1450	1,450	375L	953	650L	1,651
240J	610	490J	1,245	PK730	730	PK1500	1,500	380L	965	655L	1,664
245J	622	500J	1,270	PK750	750	PK1550	1,550	385L	978	675L	1,715
250J	635	510J	1,295	PK775	775	PK1600	1,600	390L	991	680L	1,727
260J	660	520J	1,321	PK800	800	PK1650	1,650	395L	1,003	690L	1,753
270J	686	525J	1,334	PK825	825	PK1700	1,700	400L	1,016	695L	1,765
280J	711	530J	1,346	PK850	850	PK1750	1,750	405L	1,029	725L	1,842
285J	724	540J	1,372	PK875	875	PK1800	1,800	410L	1,041	750L	1,905
290J	737	550J	1,397	PK900	900	PK1850	1,850	415L	1,054	765L	1,943
300J	762	560J	1,422	PK925	925	PK1900	1,900	420L	1,067	770L	1,956
310J	787	580J	1,473	PK950	950	PK1950	1,950	425L	1,080	780L	1,981
315J	800	590J	1,499	PK975	975	PK2000	2,000	430L	1,092	815L	2,070
320J	813	600J	1,524	PK1000	1,000	PK2120	2,120	450L	1,143	835L	2,121
330J	838	610J	1,549	PK1030	1,030	PK2240	2,240	460L	1,168	845L	2,146
340J	864	620J	1,575	PK1060	1,060	PK2360	2,360	470L	1,194	865L	2,197
345J	876	630J	1,600	PK1090	1,090	PK2500	2,500	480L	1,219	880L	2,235
350J	889	650J	1,651	PK1120	1,120	PK2650	2,650	500L	1,270	915L	2,324
360J	914	660J	1,675	PK1150	1,150	PK2800	2,800	510L	1,295	930L	2,362
370J	940	665J	1,689	PK1180	1,180	PK3000	3,000	520L	1,321	975L	2,477
375J	953	690J	1,753	PK1220	1,220			540L	1,372	990L	2,515
380J	965	700J	1,778					550L	1,397	1065L	2,705
390J	991	730J	1,854					560L	1,422	1120L	2,845
400J	1,016	750J	1,905					565L	1,435	1150L	2,921
410J	1,041	760J	1,930					570L	1,448		
415J	1,054	770J	1,956								
420J	1,067	780J	1,981								
425J	1,080	820J	2,083								
430J	1,092	890J	2,260								
435J	1,105	900J	2,286								

● Many more sizes are available for PK type. Please contact us for sizes beyond the standard size.

RIBSTAR U (Polyurethane V-ribbed Belt)

This polyurethane belt combines the characteristics of both V-belt and Flat Belt.

- Usable on small diameter pulleys (minimum $\phi 20\text{mm}$) because of its high flexibility with nylon cord.
- Excellent flex fatigue resistance.
- Smooth revolution with little vibration.
- Withstands high-speed operation.
- Excellent abrasion, oil and ozone resistance.

Product Code

(Example)

180 - JBT - 4

Belt Length :
Pitch Length (inch) x 10

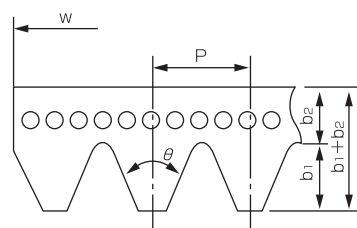
Belt Type

Number of Ribs (4 ribs)

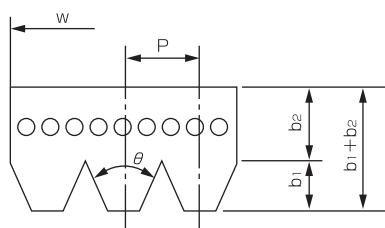
Cross Sectional Dimensions

Sectional Size	Belt Type	JT	JBT	HB
Rib Pitch	P (mm)	2.34	2.40	1.6
Rib Angle	θ (degree)	40	40	40
Rib Height	b_1 (mm)	1.8	1.8	1.0
Rib Bottom Thickness	b_2 (mm)	1.7	1.7	1.5
Total Thickness	$b_1 + b_2$ (mm)	3.5	3.5	2.5
Belt Width	w (mm)	$2.34 \times N$	$2.40 \times N$	$1.6 \times N$

N: Number of ribs



JT / JBT Type

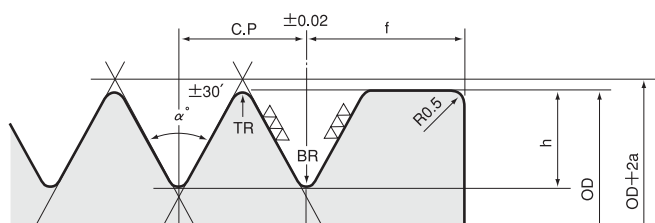


HB Type

Standard Belt Sizes for JBT Type

No. of Ribs	Product Code	Pitch Length(mm)	Product Code	Pitch Length(mm)	Product Code	Pitch Length(mm)	Product Code	Pitch Length(mm)
3 Ribs	82	208	100	254	135	343	229	582
4 Ribs	84	213	102	259	175	445	235	597
5 Ribs	87	221	116	295	179	455	245	622
6 Ribs	89	226	123	312	180	457	247	627
8 Ribs	90	229	125	318	212	538	337	856
	97	246	130	330	226	573		

Form and Structure of Pulley Groove



Groove Dimensions for RIBSTAR Pulley

(Unit: mm)

Belt Type	C . P	h	α (°)	TR min	BR	2a	f
JT	2.34	2.25	40	0.2	0.3	0.76	3.5
JBT	2.40	2.34	40	0.2	0.3	0.76	3.5
HB	1.6	1.52	40	0.15	0.2	0.51	1.9

Pulley Width = (groove number -1) x rib pitch + (f x 2)