

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 ϕ 20mm) 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)

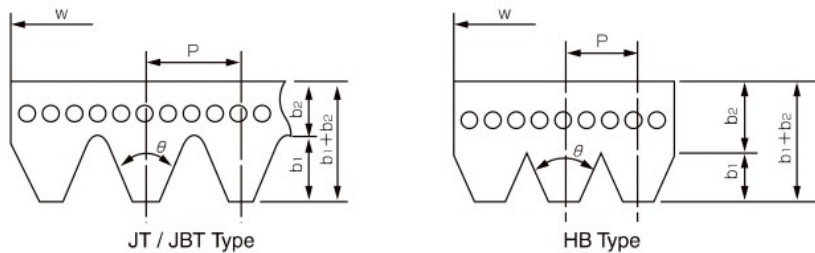
180 - JBT - 4

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)	$2.34 \times N$	$2.40 \times N$	$1.6 \times N$

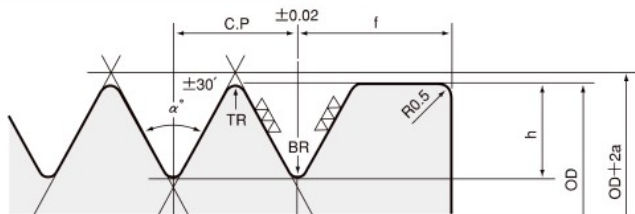
N: Number of ribs



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
	84	213	102	259	175	445	235	597
4 Ribs	87	221	116	295	179	455	245	622
5 Ribs	89	226	123	312	180	457	247	627
6 Ribs	90	229	125	318	212	538	337	856
8 Ribs	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)