

RIBSTAR Belt U (Polyurethane V-Ribbed Belt)

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

- Usable on small diameter pulleys (minimum ϕ 20mm) because of its enhanced flexibility with nylon cord.
- Excellent flex fatigue resistance.
- Smooth revolution with little vibration.
- It withstands high-speed operation
- Excellent abrasion, oil and ozone resistance

Product Code

(Example)

180 - JBT - 4

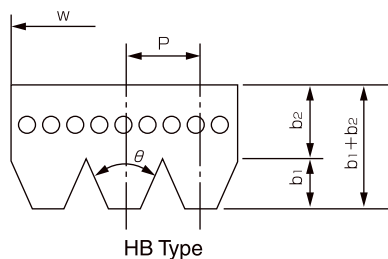
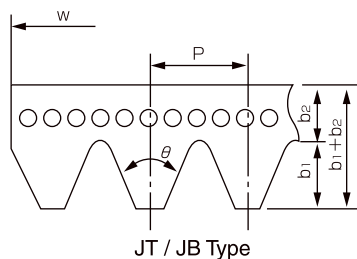
Belt Length :
Pitch Length (inch) x 10

Belt Type

No. of Ribs (4 ribs)

Dimensions

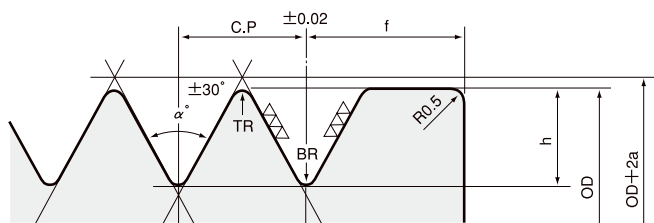
Sectional Size	Belt Type	JT	JBT	HB
Rib Pitch	P (mm)	2.34	2.40	1.6
Rib Angle	θ (degree)	40	40	40
Rib Height	b_1 (mm)	1.8	1.8	1.0
Rib Bottom Thickness	b_2 (mm)	1.7	1.7	1.5
Total Thickness	$b_1 + b_2$ (mm)	3.5	3.5	2.5
Belt Width	w (mm)	Width varies depending on No. of ribs.		



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
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+2)