



## Fenner Banded Belts

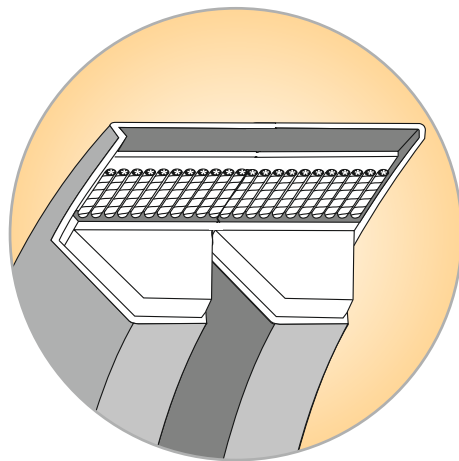
Banded belt consists of multiple belts of standard cross sections like A,B,C,D / SPZ, SPA, SPB,SPC / 3V,5V or 8V etc. are joined together at the top to form a band. This construction provides the following unique benefits:

1. In drives having excessive vibrations such as those encountered in reciprocating drives (Reciprocating Compressors or reciprocating engines driven equipment etc) these belts provide effective damping of vibrations.
2. Since the belts have a common top band, effectively it is a single belt and therefore the problems of matching of individual belts in a multiple belt drive are not present.

The prefix 'J' (denoting Joined) is used before the belt cross section for all banded belts. Thus a band of 3 belts of B-81 will be designated as 3JB-81 and a band of 4 belts of SPB 2680 as 4JSPB 2680 etc.

### Avantages :

- Eliminate belt whip, belt twist and belt turn over
- Ideal for drives where pulsating loads are present
- do not require special pulleys
- reduced stretch & longer life



**Banded Belts  
Classical & Wedge Sections**

## Applications:

Some of the identified applications for Banded Belts :

1. **Harvestor Combines** used for Paddy harvesting, where the application peculiarity involves reverse bending of the belt.
2. **Surface Miners**, used in Lime Stone quarries attached to Cement plants.
3. **Reciprocating Compressor Application:** Banded Belts are most suited for Reciprocating Compressor Application where high vibrations cause severe belt flapping problem.

## Wrapped Banded Belts Range

(Li: Inside Length Le: Effective Length Lp: Pitch Length)

Section	Size Range	Belt Width (mm)	Thickness (mm)	Pitch (mm)	Max No. of Belts /Band (N)
JA	42"-120" Li	15.90 X N	11.00	15.90	6
JB	42"-173" Li	19.30 X N	13.50	19.30	6
JB	174"-420" Li	19.30 X N	13.50	19.30	5
JC	70"-120" Li	25.55 X N	17.50	25.55	4
JC	121"-420" Li	25.55 X N	17.50	25.55	6
JD	150"-270" Li	36.60 X N	21.50	36.60	5
JSPZ	1100-1900 MM Lp	12.00 X N	10.50	12.00	5
JSPA	1100-3500 MM Lp	15.00 X N	12.00	15.00	5
JSPB	2350-4500 MM Lp	19.00 X N	15.50	19.00	6
JSPB	4501-10600 MM Lp	19.00 X N	15.50	19.00	5
JSPC	2500-10600 MM Lp	25.55 X N	16.00	25.55	5
J3V	42" – 120" Le	10.30 X N	10.50	10.30	5
J5V	95" – 175" Le	17.50 X N	16.00	17.50	6
J5V	176" – 420" Le	17.50 X N	16.00	17.50	5
J8V	100" – 500" Le	28.58 X N	26..50	28.58	5

## Banded Cogged Belts Range

Banded belts are available in Cogged construction -AX, BX, SPZX, SPAX, SPBX, 3VX & 5VX Sections

Section	Size Range	Belt Top Width (mm)	Thickness (mm ± 0.8)	Groove / Pitch (mm)	Max No. of Belts / Band (N)
JSPZX	1100-3000 mm	(12.0 X N ) -1.50	10	12.0 ± 0.15	8
JSPAX	1100-3000 mm	(15.0 X N ) - 1.5	10.5	15.0 ± 0.15	8
JSPBX	1100-3000 mm	(19.05 X N ) - 1.5	15	19.05 ± 0.15	6
JSPCX	2280-3000 mm	(25.5 X N ) - 3.0	19	25.5± 0.15	5
J3VX	43 -118 inches	(10.3XN )- 0.50	10	10.3 ± 0.15	8
J5VX	43 -118 inches	(17.50XN )- 1.00	16.5	17.5 ± 0.15	6
JAX	43 -118 inches	(15.88XN )- 2.0	10.5	15.88 ± 0.15	8
JBX	43 -118 inches	(19.05XN)-1.50	13	19.05 ± 0.15	6
JCX	44 -118 inches	(25.5XN )-3.0	16.5	25.5± 0.15	5
JAV10X	1100-3000 mm	(12.6 X N ) -1.5	9.5	12.6 ± 0.15	8
JAV13X	1100-3000 mm	(16.0 X N ) -1.5	10.5	16.0 ± 0.15	8