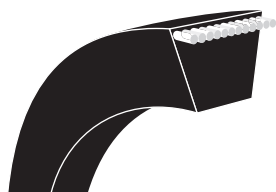


## Special Construction Belts

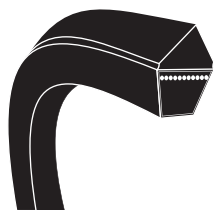


## SPECIAL APPLICATION BELTS



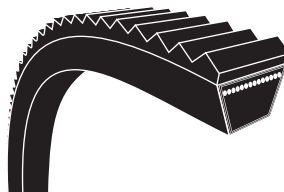
**PIX-X'set**®

ARAMID CORD BELT



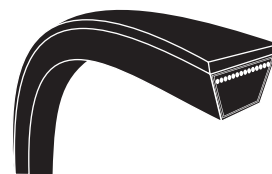
**PIX-X'set**®PT-6

PROFILE TOP BELT



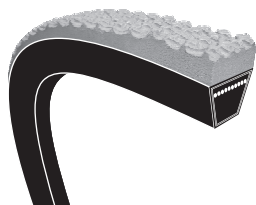
**PIX-X'set**®PT-7

PROFILE TOP BELT



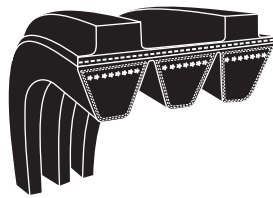
**PIX-X'set**®PT-0

PROFILE TOP BELT



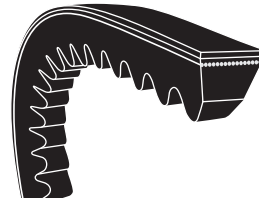
**PIX-X'set**®PT-HC

PROFILE TOP BELT



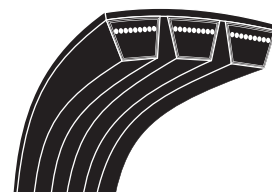
**PIX-X'set**®PT-2TP

PROFILE TOP BELT



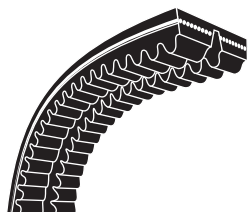
**PIX-X'tra**®

CUT EDGE MOULDED  
COGGED BELT



**PIX-X'set**®MB

WRAP BANDED BELT



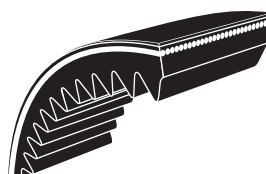
**PIX-X'tra**®MB

CUT EDGE MOULDED  
COGGED BANDED BELT



**PIX-X'set**®VS

WRAP VARI-SPEED BELT



**PIX-X'tra**®VS

CUT EDGE MOULDED  
COGGED VARI-SPEED BELT



**PIX-X'ceed**®EL

ELASTICATED POLY BELT



**PIX-X'ceed**®

EPDM POLY BELT

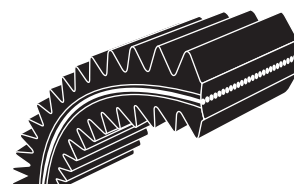


**PIX-X'ceed**®DS

DOUBLE SIDED POLY BELT



SYNCHRONOUS BELT  
WITH V-POLY PROFILE



DOUBLE SIDED MOULDED  
COGGED BELT

## SPECIAL CONSTRUCTION

### Aramid Cord Belts

Aramid is an organic polyamide fibre that is manufactured using complex chemical processes. It is generally used where the power transmission requirements are very critical, apart from space restrictions on the permissible installation and take up allowances. Aramid is used as tension member because of its high tensile strength.

#### Aramid Cord Belts are recommended where,

- There are restrictions on the drive width
- The installation & take-up allowances are minimal
- Critical drives

Material	Tensile Strength lb/in <sup>2</sup>	% elongation at break
Polyester	162000	14
Aramid	400000	4

The drive design calculation associated with this belt is similar to the standard drive

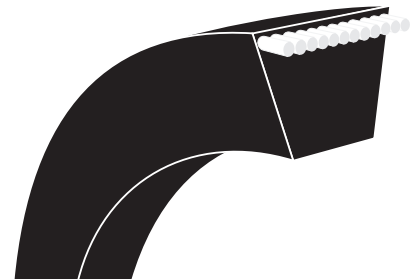
### FRAS V-Belts (Fire Resistant & Anti-Static)

Certain working environments such as coal mines & sensitive petro chemical installations require V-belts having fire resistant properties in addition to normal anti-static properties. PIX FRAS V-Belts are suitable for such environments. This construction is thoroughly tested during & after manufacture, to comply with all aspects of IS-2494 Part - II & BS-3790. FRAS Belts are also certified by ATEX.

**Range:** We can produce our entire range of belts in FRAS construction.

### Dry Cover Belts

These are suitable for drives having clutch applications like lawn mowers and chemical industries where contamination is not acceptable. **PIX-X'set®DC** Dry Cover Belts are usually manufactured in Blue colour and can also be supplied in green, brown, red, black & white colours. These are available in polyester as well as aramid constructions.



## SPECIAL CONSTRUCTION

### Profile Top Belts

In some of the applications it is desired that the belt used to transmit the power should also convey material as in ceramic industries, agricultural machines, continuous processes, steel plate cleaning system etc. In such cases, the V-belt needs to have a special construction depending on the type of material to be conveyed. PIX manufactures these type of belts to cater to such applications.

#### PIX - X'set PT-6

Section	Dimensions		Height of Pattern (mm)	Manufacturing Range		Length Designation
	Top Width (mm)	Thickness (mm)		Min	Max	
B (17x14)	17	14	3	85 inch	658 inch	Li
B (17x16)	17	16	5	85 inch	658 inch	Li
A (13x13)	13	13	5	48 inch	257 inch	Li
37 x 25	37	25	5	4064 mm	16713 mm	Lp

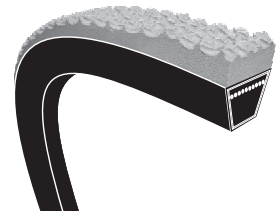


**PIX-X'set**® PT-6

**Application:** Food grain industries

#### PIX - X'set PT-HC Honey Comb Belts

Section	Dimensions		Height of Pattern (mm)	Manufacturing Range		Length Designation
	Top Width (mm)	Thickness (mm)		Min	Max	
B (17x17)	17	17	6	32	658	Li
C (22x20)	22	20	6	38	658	Li



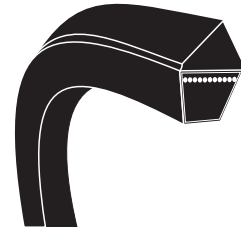
**PIX-X'set**® PT-HC

**Note:** Maximum height of PT-HC (Honey Comb) pattern up to 12 mm provided on request

**Application:** Tile & general industries

#### PIX - X'set PT-6

Section	Dimensions		Height of Pattern (mm)	Manufacturing Range		Length Designation
	Top Width (mm)	Thickness (mm)		Min	Max	
B (17x22)	17	22	11	85	375	Li
B (17x26)	17	26	15	66	375	Li
B (17x21)	17	21	10	42	79	Li
C (22x25)	22	25	11	73	350	Li

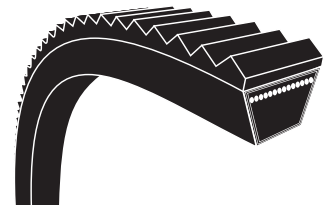


**PIX-X'set**® PT-6

**Application:** Ceramic tile industries

#### PIX - X'set PT-7

Section	Dimensions		Height of Pattern (mm)	Manufacturing Range		Length Designation
	Top Width (mm)	Thickness (mm)		Min	Max	
37 (37x25)	37	25	7	4064 mm	8890 mm	Lp
D (32x26)	32	26	7	142 inch	633 inch	Li

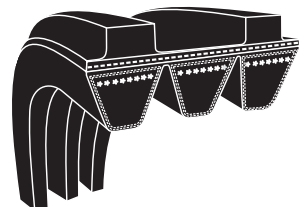


**PIX-X'set**® PT-7

**Application:** Horticultural industries

#### PIX - X'set PT-2TP

Section	Dimensions		Height of Pattern (mm)	Manufacturing Range		Length Designation
	Top Width (mm)	Thickness (mm)		Min	Max	
3HSPB	10	12	6	2134 mm	9144 mm	Lp



**PIX-X'set**® PT-2TP

**Application:** Steel plate cleaning system

**SPECIAL CONSTRUCTION**

**Fractional Horse Power Belts (FHP/M)**

These belts are mainly used on Fractional Horse Power motors installed mainly in domestic appliances.

Series	2000
Top width (mm)	10.0
Thickness (mm)	6.0
Angle (deg)	40.0
Range La (inches)	11" - 173"

**Light Duty Single V-Belts**

These belts are used for a smaller sized machines installed in household appliances and are available in three different sections to meet the varying requirements. These are always used in single belt drives.

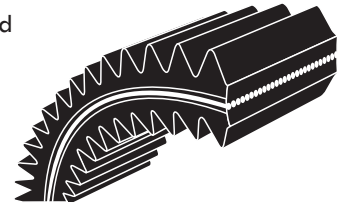
Series	3L	4L	5L
Top width (mm)	10	13	17
Thickness (mm)	6	8	10
Angle (deg)	40	40	40
Range La (inches)	10.5"-160"	15"-360"	21"-220"

**Double Cog Belts**

This special construction allows the use of belts on small pulley diameters due to increased flexibility.

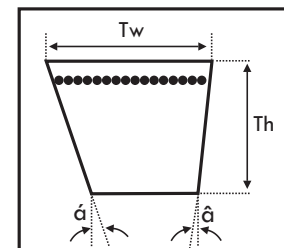
**Features:**

- Prevents buckling
- Extremely Flexible
- Can be used on smaller pulleys



**Asymmetric Belts**

Asymmetric belts find application in torque converter systems. They are generally used in high performance golf-karts, snowmobiles, minibikes, material handling equipment and Industrial equipment.



Tw	Th	á	â	Length (mm)	Length Designation
19	10	18°	2°	1005	La
16	9	18°	2°	695	La
19	10	18°	2°	740	La
19	8	18°	2°	680	La
19	10	18°	2°	685	La

Note: Unlisted sizes are available on request