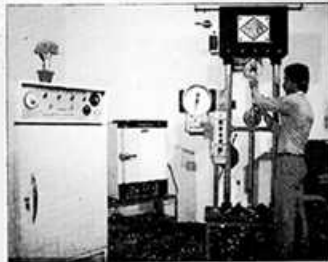


## Looking toward tomorrow with fresh visions

Universal HI-LIFE Polyester Cord V-Belts are the result of years of experience and practical exercise combining optimum strength and flexibility with marked resistance to wear.

*Anil Gupta*

Anil Gupta  
President



In-house evaluation of Finished Belt on Tensile Testing Machine in the Lab.

### DRIVE DESIGN FORMULAE

$$L = 2C + \frac{1.57(D+d)}{4} + \frac{(D-d)^2}{4C}$$

$$C = A + \sqrt{A^2 - B}$$

where

$$A = \frac{L - 0.3925(D+d)}{4}$$

$$B = \frac{(D-d)^2}{8}$$

$$\text{Number of belts, } N = \frac{P \times F_s}{R \times F_i \times F_c}$$

where

L = Belt Pitch Length, mm

C = Centre Distance, mm

D = Pitch dia. of large pulley, mm

d = Pitch dia. of small pulley, mm

R = Power Rating per belt, KW

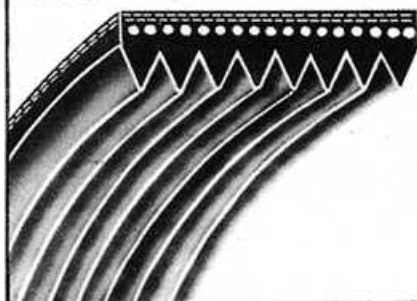
F<sub>i</sub> = Belt Length Correction Factor

F<sub>c</sub> = Arc of contact correction Factor

F<sub>s</sub> = Service Factor

P = Drive Power in KW.

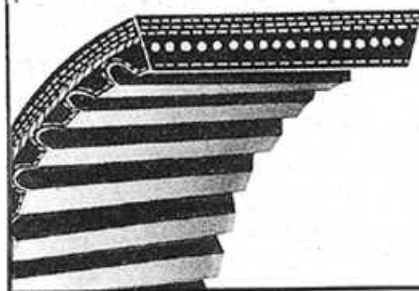
### V-Ribbed Belts



- V-RIBBED BELTS are designed to combine the advantages of the flat transmission belts and V-belts. They are ideal for high speed ratio and small diameter pulleys.

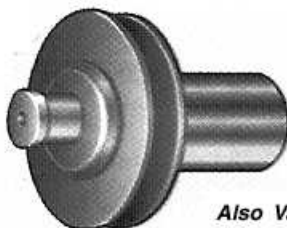
Section	Nominal Top width mm	Nominal Thickness mm	Angle	Size Range	Specification
H	1.6	1.0	40	3.0	0.3
J	2.4	2.3	40	4.0	0.5
L	4.8	5.0	40	9.0	0.8
M	9.6	11.6	40	16.5	0.8

### Variable Speed Belts



- VARIABLE SPEED BELTS are designed for use on drives utilizing variable speed pulleys with a split construction assembly. Standard cross sections are as follows.

Section	Nominal Top width mm	Nominal Thickness mm	Angle (°)	Size Range	Specification
28	28.0	13.0	32°	27"-150"	JIS
32	32.0	13.0	32°	27"-150"	JIS
38	38.0	13.0	32°	27"-150"	JIS
50	50.0	14.0	32°	40"-200"	JIS

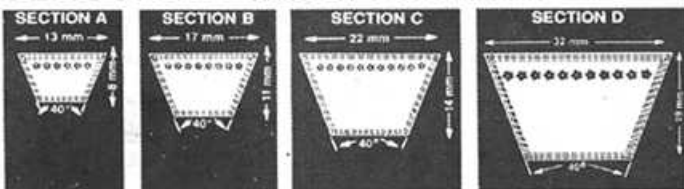


Also Variable Speed Pulley Mfd.



Compound processing in mixing mill.

### CLASSICAL RANGE OF SECTION & SIZES



(Conforming to IS : 2494, DIN 7753 and BS 3790)

Range of Nominal Inside Length

Inches	mm	Inches	mm	Inches	mm	Inches	mm
16-180	406-4572	24-360	610-9144	36-600	916-15240	75-600	1905-15240

INFORMATION TO BE SUPPLIED WITH ENQUIRY OR ORDER

- Section
- Size in inches or mm
- Quantity in nos.