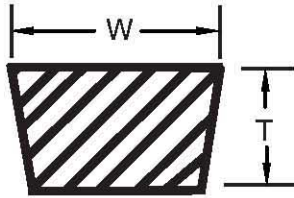


# Nominal V-Belt Cross Sections

## Nominal V-Belt Cross Sections



| Belt Section | Industry Standard Description | Width W, in Inches | Thickness T, in Inches |
|--------------|-------------------------------|--------------------|------------------------|
| 3L           | FHP, Single                   | 3/8                | 7/32                   |
| 4L           |                               | 1/2                | 5/16                   |
| 5L           |                               | 21/32              | 3/8                    |
| 3V           | Narrow                        | 3/8                | 5/16                   |
| 5V           |                               | 5/8                | 17/32                  |
| 8V           |                               | 1                  | 29/32                  |
| A            | Classical Multiple            | 1/2                | 5/16                   |
| B            |                               | 21/32              | 13/32                  |
| C            |                               | 7/8                | 17/32                  |
| D            |                               | 1-1/4              | 3/4                    |

## Conveyor Belt FPM to RPM

| Pulley Dia. Inches | FPM |     |     |     |     |     |     |     |     |     |     |     |      |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                    | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
| 6                  | 64  | 95  | 127 | 159 | 191 | 223 | 254 | 318 | 382 | 445 | 509 | 573 | 636  |
| 8                  | 48  | 72  | 95  | 119 | 143 | 167 | 191 | 239 | 286 | 334 | 382 | 429 | 477  |
| 10                 | 38  | 57  | 76  | 95  | 115 | 134 | 153 | 191 | 229 | 267 | 305 | 344 | 382  |
| 12                 | 32  | 48  | 64  | 80  | 95  | 111 | 127 | 159 | 191 | 223 | 254 | 286 | 318  |
| 14                 | 27  | 41  | 55  | 68  | 82  | 95  | 109 | 136 | 164 | 191 | 218 | 245 | 273  |
| 16                 | 24  | 36  | 48  | 60  | 72  | 83  | 95  | 119 | 143 | 167 | 191 | 215 | 239  |
| 18                 | 21  | 32  | 42  | 53  | 64  | 74  | 85  | 106 | 127 | 148 | 170 | 191 | 212  |
| 20                 | 19  | 29  | 38  | 48  | 57  | 67  | 76  | 95  | 115 | 134 | 153 | 172 | 191  |
| 24                 | 16  | 24  | 32  | 40  | 48  | 56  | 64  | 80  | 95  | 111 | 127 | 143 | 159  |
| 30                 | 13  | 19  | 25  | 32  | 38  | 45  | 51  | 64  | 76  | 89  | 102 | 115 | 127  |
| 36                 | 11  | 16  | 21  | 27  | 32  | 37  | 42  | 53  | 64  | 74  | 85  | 95  | 106  |
| 42                 | 9   | 14  | 18  | 23  | 27  | 32  | 36  | 45  | 55  | 64  | 73  | 82  | 91   |
| 48                 | 8   | 12  | 16  | 20  | 24  | 28  | 32  | 40  | 48  | 56  | 64  | 72  | 80   |
| 54                 | 7   | 11  | 14  | 18  | 21  | 25  | 28  | 35  | 42  | 49  | 57  | 64  | 71   |
| 60                 | 6   | 10  | 13  | 16  | 19  | 22  | 25  | 32  | 38  | 45  | 51  | 57  | 64   |

For values not shown use formula below:

$$SFM = 2618 \times D \times RPM$$

SFM = Surface feet Per Minute

D = Pulley Diameter, Inches

RPM = Revolutions per Minute