

# Metric V-Belts

|                                                                                                                                                       | Top Belt Width | Pitch Width | Bottom Belt Width | Belt Height | Pitch Height | Outside Length<br>$L_a$ |                   | Pitch Length<br>$L_w$ | Inside Length<br>$L_i$ |                   | Weight kg/m                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|-------------------|-------------|--------------|-------------------------|-------------------|-----------------------|------------------------|-------------------|-------------------------------------------------------------------------------|
| <b>Heavy-Duty Cogged Raw Edge V-Belt</b><br><b>DIN 7753 Part 1</b><br><b>Group 038</b><br>XPZ<br>XPA<br>XPB<br>XPC                                    |                |             |                   |             |              | $L_a = L_w + 13$        | $L_a = L_i + 51$  | Nominal Length        | $L_i = L_w - 38$       | $L_i = L_a - 51$  | 0.072<br>0.112<br>0.192<br>0.370                                              |
|                                                                                                                                                       | 10             | 8.5         | 4.5               | 8           | 2            | $L_a = L_w + 18$        | $L_a = L_i + 63$  |                       | $L_i = L_w - 39$       | $L_i = L_a - 63$  |                                                                               |
|                                                                                                                                                       | 13             | 11          | 6.8               | 9           | 2.8          | $L_a = L_w + 22$        | $L_a = L_i + 82$  |                       | $L_i = L_w - 60$       | $L_i = L_a - 82$  |                                                                               |
|                                                                                                                                                       | 16.3           | 14          | 7.3               | 13          | 3.5          | $L_a = L_w + 30$        | $L_a = L_i + 113$ |                       | $L_i = L_w - 77$       | $L_i = L_a - 113$ |                                                                               |
|                                                                                                                                                       | 22             | 19          | 10.3              | 17          | 4.8          |                         |                   |                       |                        |                   |                                                                               |
| <b>Narrow-Section Wrapped V-Belt</b><br><b>DIN 7753 Part 1</b><br><b>Group 032</b><br>SPZ *<br>SPA<br>SPB *<br>19/-<br>SPC                            |                |             |                   |             |              | $L_a = L_w + 13$        | $L_a = L_i + 51$  | Nominal Length        | $L_i = L_w - 38$       | $L_i = L_a - 51$  | 0.073<br>0.100<br>0.178<br>0.360<br>0.380                                     |
|                                                                                                                                                       | 9.7            | 8.5         | 4                 | 8           | 2            | $L_a = L_w + 18$        | $L_a = L_i + 63$  |                       | $L_i = L_w - 45$       | $L_i = L_a - 63$  |                                                                               |
|                                                                                                                                                       | 12.7           | 11          | 5.6               | 10          | 2.8          | $L_a = L_w + 22$        | $L_a = L_i + 82$  |                       | $L_i = L_w - 60$       | $L_i = L_a - 82$  |                                                                               |
|                                                                                                                                                       | 16.3           | 14          | 7.1               | 13          | 3.5          | $L_a = L_w + 25$        | $L_a = L_i + 94$  |                       | $L_i = L_w - 69$       | $L_i = L_a - 94$  |                                                                               |
|                                                                                                                                                       | 18.6           | 16          | 8                 | 15          | 4            | $L_a = L_w + 30$        | $L_a = L_i + 113$ |                       | $L_i = L_w - 83$       | $L_i = L_a - 113$ |                                                                               |
| <b>Classical-Section Raw Edge V-Belt</b><br><b>DIN 2215</b><br><b>Group 039</b><br>5/-<br>6/Y<br>8/-<br>10/Z<br>13/A                                  |                |             |                   |             |              | $L_a = L_w + 8$         | $L_a = L_i + 19$  | Nominal Length        | $L_i = L_w - 8$        | $L_i = L_a - 19$  | 0.015<br>0.023<br>0.041<br>0.060<br>0.105                                     |
|                                                                                                                                                       | 5              | 4.2         | 2.9               | 3           | 1.3          | $L_a = L_w + 10$        | $L_a = L_i + 25$  |                       | $L_i = L_w - 10$       | $L_i = L_a - 25$  |                                                                               |
|                                                                                                                                                       | 6              | 5.3         | 3.2               | 4           | 1.6          | $L_a = L_w + 12$        | $L_a = L_i + 31$  |                       | $L_i = L_w - 12$       | $L_i = L_a - 31$  |                                                                               |
|                                                                                                                                                       | 8              | 6.7         | 4.6               | 5           | 2            | $L_a = L_w + 16$        | $L_a = L_i + 38$  |                       | $L_i = L_w - 16$       | $L_i = L_a - 38$  |                                                                               |
|                                                                                                                                                       | 10             | 8.5         | 5.9               | 6           | 2.5          | $L_a = L_w + 20$        | $L_a = L_i + 50$  |                       | $L_i = L_w - 20$       | $L_i = L_a - 50$  |                                                                               |
| <b>Classical-Section Wrapped V-Belt</b><br><b>DIN 2215</b><br><b>Group 036</b><br>8/-<br>10/Z<br>13/A<br>17/B<br>20/-<br>22/C<br>25/-<br>32/D<br>40/E |                |             |                   |             |              | $L_a = L_w + 12$        | $L_a = L_i + 31$  | Nominal Length        | $L_i = L_w - 12$       | $L_i = L_a - 31$  | 0.040<br>0.060<br>0.105<br>0.170<br>0.240<br>0.300<br>0.430<br>0.630<br>0.970 |
|                                                                                                                                                       | 8              | 6.7         | 4.6               | 5           | 2            | $L_a = L_w + 16$        | $L_a = L_i + 38$  |                       | $L_i = L_w - 16$       | $L_i = L_a - 38$  |                                                                               |
|                                                                                                                                                       | 10             | 8.5         | 5.9               | 6           | 2.5          | $L_a = L_w + 20$        | $L_a = L_i + 50$  |                       | $L_i = L_w - 20$       | $L_i = L_a - 50$  |                                                                               |
|                                                                                                                                                       | 13             | 11          | 7.5               | 8           | 3.3          | $L_a = L_w + 26$        | $L_a = L_i + 69$  |                       | $L_i = L_w - 26$       | $L_i = L_a - 69$  |                                                                               |
|                                                                                                                                                       | 17             | 14          | 9.4               | 11          | 4.2          | $L_a = L_w + 31$        | $L_a = L_i + 79$  |                       | $L_i = L_w - 31$       | $L_i = L_a - 79$  |                                                                               |
|                                                                                                                                                       | 20             | 17          | 11.4              | 12.5        | 4.8          | $L_a = L_w + 36$        | $L_a = L_i + 88$  |                       | $L_i = L_w - 36$       | $L_i = L_a - 88$  |                                                                               |
|                                                                                                                                                       | 22             | 19          | 12.4              | 14          | 5.7          | $L_a = L_w + 40$        | $L_a = L_i + 101$ |                       | $L_i = L_w - 40$       | $L_i = L_a - 101$ |                                                                               |
|                                                                                                                                                       | 25             | 21          | 14                | 16          | 6.3          | $L_a = L_w + 51$        | $L_a = L_i + 126$ |                       | $L_i = L_w - 51$       | $L_i = L_a - 126$ |                                                                               |
|                                                                                                                                                       | 32             | 27          | 18.3              | 20          | 8.1          | $L_a = L_w + 75$        | $L_a = L_i + 157$ |                       | $L_i = L_w - 75$       | $L_i = L_a - 157$ |                                                                               |
|                                                                                                                                                       | 40             | 32          | 22.8              | 25          | 12           |                         |                   |                       |                        |                   |                                                                               |
|                                                                                                                                                       |                |             |                   |             |              |                         |                   |                       |                        |                   |                                                                               |
|                                                                                                                                                       |                |             |                   |             |              |                         |                   |                       |                        |                   |                                                                               |

## "X" Series Belts (i.e. "X8" OR "XPZ")

## Group 039

| PROFILE 5 |        |        |        |        |        |        |        |  |
|-----------|--------|--------|--------|--------|--------|--------|--------|--|
| X5 160    | X5 260 | X5 300 | X5 335 | X5 358 | X5 425 | X5 471 | X5 530 |  |
| X5 185    | X5 265 | X5 303 | X5 340 | X5 375 | X5 435 | X5 475 | X5 554 |  |
| X5 190    | X5 270 | X5 315 | X5 345 | X5 400 | X5 441 | X5 495 | X5 560 |  |
| X5 229    | X5 280 | X5 322 | X5 350 | X5 406 | X5 450 | X5 500 | X5 600 |  |
| X5 236    | X5 287 | X5 330 | X5 352 | X5 420 | X5 465 | X5 514 |        |  |

| PROFILE 6 |        |        |        |        |        |        |        |  |
|-----------|--------|--------|--------|--------|--------|--------|--------|--|
| X6 240    | X6 270 | X6 320 | X6 350 | X6 380 | X6 500 | X6 560 | X6 850 |  |
| X6 250    | X6 280 | X6 330 | X6 352 | X6 400 | X6 530 | X6 580 | X6 900 |  |
| X6 260    | X6 300 | X6 335 | X6 372 | X6 425 | X6 540 | X6 600 |        |  |
| X6 265    | X6 315 | X6 339 | X6 375 | X6 450 | X6 550 | X6 640 |        |  |

Ordering Example: X5 160

X5 ..... Profile

160 ... Inside Length (mm)

\*Also suitable for 3 V/5 V-pulley drives.

Some sizes are available in raw edge cogged construction. Some available in raw edge only.



**American Metric® Corporation**

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