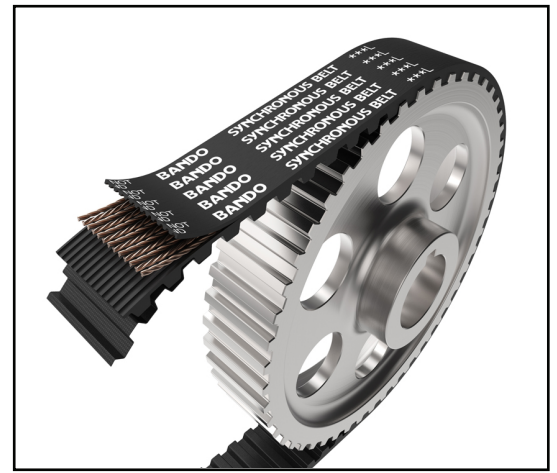


SYNCHRONOUS BELT

The synchronous belts are belts for synchronous power transmission that combine the features of gears, chains, and flat belts. They are available in abundant types and sizes and are therefore easy to design for a wide range of applications from light duty to heavy duty. They are available in synthetic rubber type and polyurethane type (Bancollan); select them based on their respective features.



Features

■ Accurate power transmission

The belt and pulleys mesh accurately and therefore provide rotations and the amount of movement as calculated.

■ Economical power transmission

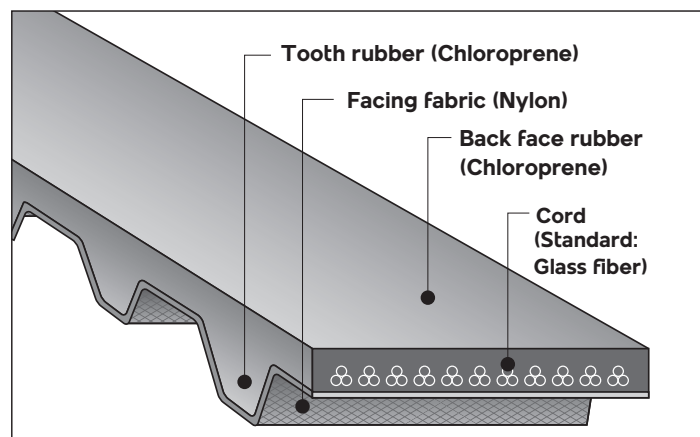
- No metal-to-metal contact eliminates the necessity for lubrication devices.
- As high initial tension is unnecessary, the bearing and motor can be miniaturized.

■ Wide range of operating conditions

In addition to the standard specifications, we manufacture the following special specification synchronous belts.

- **Oil-resistant synchronous belt**
(when the belt is used where it is subject to a large amount of oil)
- **Heat-resistant synchronous belt**
(when the belt is used at high temperatures from 90°C to 120°C)
- **High-electrical-resistance synchronous belt**
(when insulation of 100 MΩ or more is required)

Structure



Belt dimensions and indication method

Synchronous Belt (Rubber)

| Belt type | Dimension (mm) | Belt indication method |
|-----------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type MXL | | <p>B 250 MXL 6.4</p> <p>Belt No. of teeth of belt (250 teeth: 508.0 mm) Belt type (Type MXL) Belt width (6.4mm)</p> |
| Type XXL | | <p>60 XXL 4.8</p> <p>No. of teeth of belt (60 teeth: 190.5 mm) Belt type (Type XXL) Belt width (4.8mm)</p> |
| Type XL | | <p>250 XL 025 G</p> <p>Belt nominal length (25 inches: 635 mm) Belt type (Type XL) Belt nominal width (0.25 inches: 6.4 mm) Cord symbol</p> |
| Type L | | <p>300 L 100 G</p> <p>Belt nominal length (30 inches: 762 mm) Belt type (Type L) Belt nominal width (1.0 inches: 25.4 mm) Cord symbol</p> |
| Type H | | <p>600 H 200 G</p> <p>Belt nominal length (60 inches: 1524 mm) Belt type (Type H) Belt nominal width (2.0 inches: 50.8 mm) Cord symbol</p> |
| Type XH | | <p>700 XH 400 G</p> <p>Belt nominal length (70 inches: 1778 mm) Belt type (Type XH) Belt nominal width (4.0 inches: 101.6 mm) Cord symbol</p> |
| Type XXH | | <p>1200 XXH 600 G</p> <p>Belt nominal length (120 inches: 3048 mm) Belt type (Type XXH) Belt nominal width (6.0 inches: 152.4 mm) Cord symbol</p> |

Synchronous Belt (Rubber/Polyurethane) standard lengths

R: Rubber
U: Polyurethane

Type MXL

Pitch: 2.032 mm

| Belt nominal length | Pitch length (mm) | No. of teeth | R | U |
|---------------------|-------------------|--------------|---|---|
| B30MXL | 60.96 | 30 | ● | ○ |
| B35MXL | 71.12 | 35 | ● | ○ |
| B36MXL | 73.15 | 36 | ● | ○ |
| B37MXL | 75.18 | 37 | ● | ○ |
| B40MXL | 81.28 | 40 | ● | ○ |
| B41MXL | 83.31 | 41 | - | ○ |
| B42MXL | 85.34 | 42 | ● | ○ |
| B43MXL | 87.38 | 43 | - | - |
| B44MXL | 89.41 | 44 | ● | ○ |
| *B45MXL | 91.44 | 45 | ● | - |
| B48MXL | 97.54 | 48 | ● | ○ |
| *B50MXL | 101.60 | 50 | ● | ○ |
| B52MXL | 105.66 | 52 | ● | ○ |
| B53MXL | 107.70 | 53 | ● | ○ |
| B54MXL | 109.73 | 54 | ● | ○ |
| *B55MXL | 111.76 | 55 | ● | ○ |
| B56MXL | 113.79 | 56 | ● | ○ |
| B57MXL | 115.82 | 57 | ● | ○ |
| B59MXL | 119.89 | 59 | ● | ○ |
| *B60MXL | 121.92 | 60 | ● | ○ |
| B61MXL | 123.95 | 61 | ● | - |
| B62MXL | 125.98 | 62 | ● | - |
| B63MXL | 128.02 | 63 | ● | - |
| B64MXL | 130.05 | 64 | ● | ○ |
| B65MXL | 132.08 | 65 | ● | ○ |
| B67MXL | 136.14 | 67 | ● | ○ |
| B68MXL | 138.18 | 68 | ● | ○ |
| B69MXL | 140.21 | 69 | ● | - |
| *B70MXL | 142.24 | 70 | ● | ○ |
| B71MXL | 144.27 | 71 | ● | ○ |
| B72MXL | 146.30 | 72 | ● | ○ |
| B73MXL | 148.34 | 73 | ● | ○ |
| B74MXL | 150.37 | 74 | - | - |
| *B75MXL | 152.40 | 75 | ● | ○ |
| B76MXL | 154.43 | 76 | ● | ○ |
| B77MXL | 156.46 | 77 | ● | - |
| B78MXL | 158.50 | 78 | ● | - |
| B79MXL | 160.53 | 79 | ● | - |
| *B80MXL | 162.56 | 80 | ● | ○ |
| B81MXL | 164.59 | 81 | ● | ○ |
| B82MXL | 166.62 | 82 | ● | ○ |
| B83MXL | 168.66 | 83 | ● | ○ |
| B84MXL | 170.69 | 84 | ● | - |
| B85MXL | 172.72 | 85 | ● | - |
| B86MXL | 174.75 | 86 | ● | - |
| B87MXL | 176.78 | 87 | ● | ○ |
| B88MXL | 178.82 | 88 | ● | ○ |
| *B90MXL | 182.88 | 90 | ● | ○ |
| B91MXL | 184.91 | 91 | ● | ○ |
| B92MXL | 186.94 | 92 | ● | - |
| B93MXL | 188.98 | 93 | ● | - |
| B94MXL | 191.01 | 94 | ● | ○ |
| B95MXL | 193.04 | 95 | ● | ○ |
| B96MXL | 195.07 | 96 | ● | - |
| B97MXL | 197.10 | 97 | ● | - |
| B98MXL | 199.14 | 98 | ● | ○ |
| B99MXL | 201.17 | 99 | ● | - |
| B100MXL | 203.20 | 100 | ● | - |
| B101MXL | 205.23 | 101 | ● | - |
| B102MXL | 207.26 | 102 | ● | ○ |
| B103MXL | 209.30 | 103 | ● | ○ |
| B104MXL | 211.33 | 104 | ● | ○ |
| B105MXL | 213.36 | 105 | ● | - |
| B106MXL | 215.39 | 106 | ● | - |
| B108MXL | 219.46 | 108 | ● | - |
| B109MXL | 221.49 | 109 | ● | - |
| *B110MXL | 223.52 | 110 | ● | ○ |
| B112MXL | 227.58 | 112 | ● | ○ |
| B114MXL | 231.65 | 114 | ● | ○ |
| B115MXL | 233.68 | 115 | ● | ○ |
| B118MXL | 239.78 | 118 | ● | ○ |
| B119MXL | 241.81 | 119 | ● | - |
| B120MXL | 243.84 | 120 | ● | ○ |
| B121MXL | 245.87 | 121 | ● | - |
| B122MXL | 247.90 | 122 | ● | - |
| B123MXL | 249.94 | 123 | ● | ○ |
| B124MXL | 251.97 | 124 | ● | - |
| *B125MXL | 254.00 | 125 | ● | ○ |
| B126MXL | 256.03 | 126 | ● | ○ |
| B127MXL | 258.06 | 127 | ● | - |

Type MXL

Pitch: 2.032 mm

| Belt nominal length | Pitch length (mm) | No. of teeth | R | U |
|---------------------|-------------------|--------------|---|---|
| B128MXL | 260.10 | 128 | ● | ○ |
| B129MXL | 262.13 | 129 | ● | - |
| B130MXL | 264.16 | 130 | ● | ○ |
| B131MXL | 266.19 | 131 | ● | - |
| B132MXL | 268.22 | 132 | ● | ○ |
| B134MXL | 272.29 | 134 | ● | ○ |
| B135MXL | 274.32 | 135 | ● | - |
| B136MXL | 276.35 | 136 | ● | - |
| B137MXL | 278.38 | 137 | ● | - |
| B138MXL | 280.42 | 138 | ● | - |
| B140MXL | 284.48 | 140 | ● | ○ |
| B142MXL | 288.54 | 142 | ● | - |
| B144MXL | 292.61 | 144 | ● | - |
| B145MXL | 294.64 | 145 | ● | - |
| B146MXL | 296.67 | 146 | ● | - |
| B148MXL | 300.74 | 148 | ● | - |
| B150MXL | 304.80 | 150 | ● | ○ |
| B151MXL | 306.83 | 151 | ● | - |
| *B155MXL | 314.96 | 155 | ● | ○ |
| B157MXL | 319.02 | 157 | ● | ○ |
| B158MXL | 321.06 | 158 | ● | - |
| B159MXL | 323.09 | 159 | ● | - |
| B160MXL | 325.12 | 160 | ● | ○ |
| B162MXL | 329.18 | 162 | ● | - |
| B163MXL | 331.22 | 163 | ● | - |
| B164MXL | 333.25 | 164 | ● | ○ |
| B165MXL | 335.28 | 165 | ● | - |
| B169MXL | 343.41 | 169 | ● | - |
| B170MXL | 345.44 | 170 | ● | ○ |
| *B175MXL | 355.60 | 175 | ● | ○ |
| B177MXL | 359.66 | 177 | ● | - |
| B180MXL | 365.76 | 180 | ● | ○ |
| B184MXL | 373.89 | 184 | ● | ○ |
| B188MXL | 382.02 | 188 | ● | - |
| B190MXL | 386.08 | 190 | ● | ○ |
| B192MXL | 390.14 | 192 | ● | ○ |
| B194MXL | 394.21 | 194 | ● | - |
| B195MXL | 396.24 | 195 | ● | ○ |
| B196MXL | 398.27 | 196 | ● | - |
| B200MXL | 406.40 | 200 | ● | ○ |
| B204MXL | 414.53 | 204 | ● | - |
| B205MXL | 416.56 | 205 | ● | ○ |
| B210MXL | 426.72 | 210 | ● | ○ |
| B212MXL | 430.78 | 212 | ● | ○ |
| B215MXL | 436.88 | 215 | ● | ○ |
| B220MXL | 447.04 | 220 | ● | ○ |
| B221MXL | 449.07 | 221 | ● | - |
| B222MXL | 451.10 | 222 | ● | - |
| B224MXL | 455.17 | 224 | ● | - |
| *B225MXL | 457.20 | 225 | ● | ○ |
| B226MXL | 459.23 | 226 | ● | - |
| B228MXL | 463.30 | 228 | ● | - |
| B230MXL | 467.36 | 230 | ● | ○ |
| B232MXL | 471.42 | 232 | ● | - |
| B234MXL | 475.49 | 234 | ● | - |
| B236MXL | 479.55 | 236 | ● | ○ |
| B239MXL | 485.65 | 239 | ● | - |
| B240MXL | 487.68 | 240 | ● | ○ |
| B245MXL | 497.84 | 245 | ● | - |
| B248MXL | 503.94 | 248 | ● | - |
| B249MXL | 505.97 | 249 | ● | - |
| *B250MXL | 508.00 | 250 | ● | ○ |
| B251MXL | 510.03 | 251 | ● | ○ |
| B255MXL | 518.16 | 255 | ● | - |
| B256MXL | 520.19 | 256 | ● | - |
| B260MXL | 528.32 | 260 | ● | ○ |
| B262MXL | 532.38 | 262 | ● | - |
| B265MXL | 538.48 | 265 | ● | ○ |
| B268MXL | 544.58 | 268 | ● | - |
| B270MXL | 548.64 | 270 | ● | ○ |
| B271MXL | 550.67 | 271 | ● | - |
| B273MXL | 554.74 | 273 | ● | - |
| B275MXL | 558.80 | 275 | ● | - |
| B280MXL | 568.96 | 280 | ● | ○ |
| B281MXL | 570.99 | 281 | ● | - |
| B285MXL | 579.12 | 285 | ● | - |
| B288MXL | 585.22 | 288 | ● | - |
| B290MXL | 589.28 | 290 | ● | - |
| B295MXL | 599.44 | 295 | ● | ○ |
| B297MXL | 603.50 | 297 | ● | - |

Type MXL

Pitch: 2.032 mm

| Belt nominal length | Pitch length (mm) | No. of teeth | R | U |
|---------------------|-------------------|--------------|---|---|
| B300MXL | 609.60 | 300 | ● | ○ |
| B305MXL | 619.76 | 305 | ● | ○ |
| B308MXL | 625.86 | 308 | ● | - |
| B310MXL | 629.92 | 310 | ● | ○ |
| B312MXL | 633.98 | 312 | ● | - |
| B315MXL | 640.08 | 315 | ● | - |
| B318MXL | 646.18 | 318 | ● | - |
| B320MXL | 650.24 | 320 | ● | - |
| B321MXL | 652.27 | 321 | ● | ○ |
| B323MXL | 656.34 | 323 | ● | - |
| B326MXL | 662.43 | 326 | ● | - |
| B328MXL | 666.50 | 328 | ● | ○ |
| B330MXL | 670.56 | 330 | ● | ○ |
| B332MXL | 674.62 | 332 | ● | - |
| B334MXL | 678.69 | 334 | ● | - |
| B336MXL | 682.75 | 336 | ● | ○ |
| B337MXL | 684.78 | 337 | ● | - |
| B340MXL | 690.88 | 340 | ● | ○ |
| B347MXL | 705.10 | 347 | ● | ○ |
| B350MXL | 711.20 | 350 | ● | ○ |
| B354MXL | 719.33 | 354 | ● | - |
| B355MXL | 721.36 | 355 | ● | - |
| B358MXL | 727.46 | 358 | ● | - |
| B359MXL | 729.49 | 359 | ● | - |
| B360MXL | 731.52 | 360 | ● | ○ |
| B364MXL | 739.65 | 364 | ● | - |
| B365MXL | 741.68 | 365 | ● | - |
| B366MXL | 743.71 | 366 | ● | - |
| B371MXL | 753.87 | 371 | ● | - |
| B372MXL | 755.90 | 372 | ● | - |
| B380MXL | 772.16 | 380 | ● | - |
| B388MXL | 788.42 | 388 | ● | - |
| B397MXL | 806.70 | 397 | ● | - |
| B400MXL | 812.80 | 400 | ● | - |
| B402MXL | 816.86 | 402 | ● | - |
| B405MXL | 822.96 | 405 | ● | - |
| B410MXL | 833.12 | 410 | ● | - |
| B413MXL | 839.22 | 413 | ● | - |
| B419MXL | 851.41 | 419 | ● | - |
| B425MXL | 863.60 | 425 | ● | - |
| B431MXL | 875.79 | 431 | ● | - |
| B434MXL | 881.89 | 434 | ● | - |
| B435MXL | 883.92 | 435 | ● | - |
| B440MXL | 894.08 | 440 | ● | - |
| B448MXL | 910.34 | 448 | ● | - |
| B453MXL | 920.50 | 453 | ● | ○ |
| B464MXL | 942.90 | 464 | ● | - |
| B468MXL | 950.98 | 468 | ● | ○ |
| B473MXL | 961.14 | 473 | ● | - |
| B475MXL | 965.20 | 475 | ● | - |
| B480MXL | 975.36 | 480 | ● | - |
| B487MXL | 989.58 | 487 | ● | - |
| B493MXL | 1001.78 | 493 | ● | - |
| B498MXL | 1011.94 | 498 | ● | - |
| B500MXL | 1016.00 | 500 | ● | - |
| B516MXL | 1048.51 | 516 | ● | - |
| B522MXL | 1060.70 | 522 | ● | - |
| B524MXL | 1064.77 | 524 | ● | - |
| B525MXL | 1066.80 | 525 | ● | - |
| B535MXL | 1087.12 | 535 | ● | - |
| B550MXL | 1117.60 | 550 | ● | - |
| B579MXL | 1176.53 | 579 | ● | ○ |
| B591MXL | 1200.91 | 591 | ● | - |
| B612MXL | 1243.58 | 612 | ● | - |
| B660MXL | 1341.12 | 660 | ● | ○ |
| B665MXL | 1351.28 | 665 | ● | - |

Note) * indicates RMA standard sizes.

Synchronous Belt (Rubber/Polyurethane) standard lengths

R: Rubber
U: Polyurethane

Type XXL

Pitch: 3.175 mm

| Belt nominal length | Pitch length (mm) | No. of teeth | R | U |
|---------------------|-------------------|--------------|---|---|
| 51XXL | 161.93 | 51 | ● | - |
| 80XXL | 254.00 | 80 | ● | - |
| 100XXL | 317.50 | 100 | ● | - |
| 103XXL | 327.03 | 103 | ● | - |
| 104XXL | 330.20 | 104 | ● | - |
| 105XXL | 333.38 | 105 | ● | - |
| 114XXL | 361.95 | 114 | ● | - |
| 115XXL | 365.13 | 115 | ● | - |
| 126XXL | 400.50 | 126 | ● | - |
| 150XXL | 476.25 | 150 | ● | - |
| 153XXL | 485.78 | 153 | ● | - |
| 154XXL | 488.95 | 154 | ● | - |
| 156XXL | 495.30 | 156 | ● | - |
| 160XXL | 508.00 | 160 | ● | - |
| 162XXL | 514.35 | 162 | ● | - |
| 163XXL | 517.53 | 163 | ● | - |
| 168XXL | 533.40 | 168 | ● | - |
| 173XXL | 549.28 | 173 | ● | - |
| 220XXL | 698.50 | 220 | ● | - |
| 231XXL | 733.43 | 231 | ● | - |
| 321XXL | 1019.18 | 321 | ● | - |
| 379XXL | 1203.33 | 379 | ● | - |

Type XL

Pitch: 5.080 mm

| Belt nominal length | Pitch length (mm) | No. of teeth | R | U |
|---------------------|-------------------|--------------|---|---|
| 50XL | 127.00 | 25 | ● | - |
| 60XL | 152.40 | 30 | ● | ○ |
| 64XL | 162.56 | 32 | ● | - |
| 68XL | 172.72 | 34 | ● | - |
| *70XL | 177.80 | 35 | ● | ○ |
| 72XL | 182.88 | 36 | ● | - |
| 74XL | 187.96 | 37 | ● | - |
| 76XL | 193.04 | 38 | ● | - |
| 78XL | 198.12 | 39 | ● | - |
| *80XL | 203.20 | 40 | ● | ○ |
| 84XL | 213.36 | 42 | ● | ○ |
| 88XL | 223.52 | 44 | ● | - |
| *90XL | 228.60 | 45 | ● | ○ |
| 92XL | 233.68 | 46 | ● | - |
| 94XL | 238.76 | 47 | ● | - |
| 96XL | 243.84 | 48 | ● | ○ |
| 98XL | 248.92 | 49 | ● | - |
| *100XL | 254.00 | 50 | ● | ○ |
| 102XL | 259.08 | 51 | ● | - |
| 104XL | 264.16 | 52 | ● | - |
| 106XL | 269.24 | 53 | ● | - |
| 108XL | 274.32 | 54 | ● | - |
| *110XL | 279.40 | 55 | ● | ○ |
| 112XL | 284.48 | 56 | ● | - |
| 114XL | 289.56 | 57 | ● | ○ |
| 116XL | 294.64 | 58 | ● | - |
| 118XL | 299.72 | 59 | ● | - |
| *120XL | 304.80 | 60 | ● | ○ |
| 122XL | 309.88 | 61 | ● | - |
| 124XL | 314.96 | 62 | ● | - |
| 126XL | 320.04 | 63 | ● | - |
| 128XL | 325.12 | 64 | ● | - |
| *130XL | 330.20 | 65 | ● | ○ |
| 132XL | 335.28 | 66 | ● | - |
| 134XL | 340.36 | 67 | ● | - |
| 136XL | 345.44 | 68 | ● | - |
| 138XL | 350.52 | 69 | ● | - |
| *140XL | 355.60 | 70 | ● | ○ |
| 142XL | 360.68 | 71 | ● | - |
| 144XL | 365.76 | 72 | ● | - |
| 146XL | 370.84 | 73 | ● | - |
| 148XL | 375.92 | 74 | ● | - |
| *150XL | 381.00 | 75 | ● | ○ |
| 152XL | 386.08 | 76 | ● | - |
| 154XL | 391.16 | 77 | ● | ○ |
| 156XL | 396.24 | 78 | ● | ○ |
| 158XL | 401.32 | 79 | ● | - |
| *160XL | 406.40 | 80 | ● | ○ |
| 162XL | 411.48 | 81 | ● | - |
| 164XL | 416.56 | 82 | ● | - |
| 166XL | 421.64 | 83 | ● | ○ |
| 168XL | 426.72 | 84 | ● | ○ |
| *170XL | 431.80 | 85 | ● | ○ |
| 172XL | 436.88 | 86 | ● | - |
| 174XL | 441.96 | 87 | ● | - |
| 176XL | 447.04 | 88 | ● | ○ |
| 178XL | 452.12 | 89 | ● | - |
| *180XL | 457.20 | 90 | ● | ○ |
| 182XL | 462.28 | 91 | ● | - |
| 184XL | 467.36 | 92 | ● | - |
| 188XL | 477.52 | 94 | ● | - |
| *190XL | 482.60 | 95 | ● | ○ |
| 194XL | 492.76 | 97 | ● | - |
| 196XL | 497.84 | 98 | ● | - |
| 198XL | 502.92 | 99 | ● | ○ |
| *200XL | 508.00 | 100 | ● | ○ |
| 202XL | 513.08 | 101 | ● | ○ |
| 206XL | 523.24 | 103 | ● | - |
| 208XL | 528.32 | 104 | ● | - |
| *210XL | 533.40 | 105 | ● | ○ |
| 212XL | 538.48 | 106 | ● | ○ |
| 214XL | 543.56 | 107 | ● | - |
| 216XL | 548.64 | 108 | ● | - |
| *220XL | 558.80 | 110 | ● | ○ |
| 222XL | 563.88 | 111 | ● | - |
| 224XL | 568.96 | 112 | ● | - |
| 228XL | 579.12 | 114 | ● | - |
| *230XL | 584.20 | 115 | ● | ○ |
| 234XL | 594.36 | 117 | ● | - |
| *240XL | 609.60 | 120 | ● | ○ |

Type XL

Pitch: 5.080 mm

| Belt nominal length | Pitch length (mm) | No. of teeth | R | U |
|---------------------|-------------------|--------------|---|---|
| 244XL | 619.75 | 122 | ● | - |
| 248XL | 629.92 | 124 | ● | - |
| *250XL | 635.00 | 125 | ● | ○ |
| 254XL | 645.16 | 127 | ● | ○ |
| *260XL | 660.40 | 130 | ● | ○ |
| 262XL | 665.48 | 131 | ● | - |
| 266XL | 675.64 | 133 | ● | - |
| 270XL | 685.80 | 135 | ● | ○ |
| 276XL | 701.04 | 138 | ● | - |
| 280XL | 711.20 | 140 | ● | - |
| 282XL | 716.28 | 141 | ● | - |
| 290XL | 736.60 | 145 | ● | ○ |
| 300XL | 762.00 | 150 | ● | ○ |
| 310XL | 787.40 | 155 | ● | - |
| 314XL | 797.56 | 157 | ● | - |
| 320XL | 812.80 | 160 | ● | ○ |
| 322XL | 817.88 | 161 | ● | - |
| 330XL | 838.20 | 165 | ● | ○ |
| 340XL | 863.60 | 170 | ● | - |
| 344XL | 873.76 | 172 | ● | - |
| 348XL | 883.92 | 174 | ● | - |
| 352XL | 894.08 | 176 | ● | - |
| 356XL | 904.24 | 178 | ● | - |
| 360XL | 914.40 | 180 | ● | - |
| 364XL | 924.00 | 182 | ● | - |
| 370XL | 939.80 | 185 | ● | - |
| 372XL | 944.88 | 186 | ● | - |
| 376XL | 955.04 | 188 | ● | ○ |
| 384XL | 975.36 | 192 | ● | - |
| 386XL | 980.44 | 193 | ● | - |
| 388XL | 985.52 | 194 | ● | - |
| 390XL | 990.60 | 195 | ● | - |
| 396XL | 1005.84 | 198 | ● | ○ |
| 400XL | 1016.00 | 200 | ● | - |
| 408XL | 1036.32 | 204 | ● | - |
| 414XL | 1015.56 | 207 | ● | ○ |
| 424XL | 1076.96 | 212 | ● | - |
| 430XL | 1092.20 | 215 | ● | ○ |
| 450XL | 1143.00 | 225 | ● | - |
| 456XL | 1158.24 | 228 | ● | - |
| 460XL | 1168.40 | 230 | ● | ○ |
| 470XL | 1193.80 | 235 | ● | - |
| 478XL | 1214.12 | 239 | ● | ○ |
| 480XL | 1219.20 | 240 | ● | ○ |
| 490XL | 1244.60 | 245 | ● | ○ |
| 496XL | 1259.84 | 248 | ● | - |
| 510XL | 1295.40 | 255 | ● | - |
| 512XL | 1300.48 | 256 | ● | ○ |
| 564XL | 1432.56 | 282 | ● | ○ |
| 592XL | 1503.68 | 296 | ● | - |
| 608XL | 1544.32 | 304 | ● | - |
| 630XL | 1600.20 | 315 | ● | ○ |
| 638XL | 1620.52 | 319 | ● | - |
| 670XL | 1701.80 | 335 | ● | ○ |
| 686XL | 1742.44 | 343 | ● | ○ |
| 730XL | 1854.20 | 365 | ● | ○ |
| 828XL | 2103.12 | 414 | ● | - |
| 860XL | 2184.40 | 430 | ● | - |
| 888XL | 2255.52 | 444 | ● | - |
| 900XL | 2286.00 | 450 | ● | - |
| 908XL | 2306.32 | 454 | ● | - |
| 914XL | 2321.56 | 457 | ● | - |
| 926XL | 2352.04 | 463 | ● | - |
| 1014XL | 2575.56 | 507 | ● | - |
| 1020XL | 2590.80 | 510 | ● | - |

Synchronous Belt (Rubber/Polyurethane) standard lengths

R: Rubber
U: Polyurethane

Type L

Pitch: 9.525 mm

| Belt nominal length | Pitch length (mm) | No. of teeth | R | U |
|---------------------|-------------------|--------------|---|---|
| 98L | 247.65 | 26 | ● | - |
| 109L | 276.23 | 29 | ● | - |
| *124L | 314.33 | 33 | ● | ○ |
| 135L | 342.90 | 36 | ● | - |
| *150L | 381.00 | 40 | ● | ○ |
| 165L | 419.10 | 44 | ● | ○ |
| 169L | 428.63 | 45 | ● | - |
| 172L | 438.15 | 46 | ● | - |
| *187L | 476.25 | 50 | ● | ○ |
| 203L | 514.35 | 54 | ● | - |
| *210L | 533.40 | 56 | ● | ○ |
| 218L | 552.45 | 58 | ● | - |
| *225L | 571.50 | 60 | ● | ○ |
| 240L | 609.60 | 64 | ● | ○ |
| 248L | 628.65 | 66 | ● | - |
| *255L | 647.70 | 68 | ● | ○ |
| 263L | 666.75 | 70 | ● | - |
| *270L | 685.80 | 72 | ● | ○ |
| 277L | 704.85 | 74 | ● | - |
| *285L | 723.90 | 76 | ● | ○ |
| *300L | 762.00 | 80 | ● | ○ |
| 304L | 771.53 | 81 | ● | - |
| 315L | 800.10 | 84 | ● | - |
| 320L | 809.63 | 85 | ● | - |
| *322L | 819.15 | 86 | ● | ○ |
| 334L | 847.73 | 89 | ● | - |
| 337L | 857.25 | 90 | ● | - |
| *345L | 876.30 | 92 | ● | ○ |
| 360L | 914.40 | 96 | ● | ○ |
| *367L | 933.45 | 98 | ● | ○ |
| 375L | 952.50 | 100 | ● | - |
| 382L | 971.55 | 102 | ● | - |
| *390L | 990.60 | 104 | ● | ○ |
| 394L | 1000.13 | 105 | ● | - |
| *420L | 1066.80 | 112 | ● | ○ |
| 427L | 1085.85 | 114 | ● | - |
| 436L | 1104.90 | 116 | ● | - |
| 439L | 1114.43 | 117 | ● | - |
| 446L | 1133.48 | 119 | ● | - |
| *450L | 1143.00 | 120 | ● | ○ |
| 465L | 1181.10 | 124 | ● | - |
| *480L | 1219.20 | 128 | ● | ○ |
| *510L | 1295.40 | 136 | ● | ○ |
| 514L | 1304.93 | 137 | ● | - |
| 525L | 1333.50 | 140 | ● | - |
| *540L | 1371.60 | 144 | ● | ○ |
| 548L | 1390.65 | 146 | ● | - |
| 581L | 1476.38 | 155 | ● | - |
| *600L | 1524.00 | 160 | ● | ○ |
| 605L | 1533.53 | 161 | ● | - |
| 619L | 1571.63 | 165 | ● | - |
| 630L | 1600.20 | 168 | ● | - |
| ●640L | 1619.25 | 170 | ● | - |
| 653L | 1657.35 | 174 | ● | - |
| 660L | 1676.40 | 176 | ● | - |
| 697L | 1771.65 | 186 | ● | - |
| 728L | 1847.85 | 194 | ● | - |
| 731L | 1857.38 | 195 | ● | - |
| ●767L | 1952.63 | 205 | ● | - |
| 780L | 1981.20 | 208 | ● | - |
| 788L | 2000.25 | 210 | ● | - |
| 806L | 2047.88 | 215 | ● | - |
| 855L | 2171.70 | 228 | ● | - |
| 863L | 2190.75 | 230 | ● | - |
| 881L | 2238.38 | 235 | ● | - |
| 915L | 2324.10 | 244 | ● | - |
| 919L | 2333.63 | 245 | ● | - |
| 938L | 2381.25 | 250 | ● | - |
| 1294L | 3286.13 | 345 | ● | - |

Type H

Pitch: 12.7 mm

| Belt nominal length | Pitch length (mm) | No. of teeth | R | U |
|---------------------|-------------------|--------------|---|---|
| 185H | 469.90 | 37 | ● | - |
| 225H | 571.50 | 45 | ● | - |
| 230H | 584.20 | 46 | ● | - |
| *240H | 609.60 | 48 | ● | - |
| 245H | 622.30 | 49 | ● | - |
| *270H | 685.80 | 54 | ● | - |
| 280H | 711.20 | 56 | ● | - |
| *300H | 762.00 | 60 | ● | - |
| 310H | 787.40 | 62 | ● | - |
| 315H | 800.10 | 63 | ● | - |
| 320H | 812.80 | 64 | ● | - |
| *330H | 838.20 | 66 | ● | - |
| 340H | 863.60 | 68 | ● | - |
| 350H | 889.00 | 70 | ● | - |
| *360H | 914.40 | 72 | ● | - |
| 370H | 939.80 | 74 | ● | - |
| 375H | 952.50 | 75 | ● | - |
| *390H | 990.60 | 78 | ● | - |
| 400H | 1016.00 | 80 | ● | - |
| 410H | 1041.40 | 82 | ● | - |
| *420H | 1066.80 | 84 | ● | - |
| 430H | 1092.20 | 86 | ● | - |
| *450H | 1143.00 | 90 | ● | - |
| 465H | 1181.10 | 93 | ● | - |
| *480H | 1219.20 | 96 | ● | - |
| 490H | 1244.60 | 98 | ● | - |
| *510H | 1295.40 | 102 | ● | - |
| 530H | 1346.20 | 106 | ● | - |
| 540H | 1371.60 | 108 | ● | - |
| 560H | 1422.40 | 112 | ● | - |
| 565H | 1435.10 | 113 | ● | - |
| *570H | 1447.80 | 114 | ● | - |
| 580H | 1473.20 | 116 | ● | - |
| *600H | 1524.00 | 120 | ● | - |
| 605H | 1536.70 | 121 | ● | - |
| *630H | 1600.20 | 126 | ● | - |
| 640H | 1625.60 | 128 | ● | - |
| 650H | 1651.00 | 130 | ● | - |
| *660H | 1676.40 | 132 | ● | - |
| 680H | 1727.20 | 136 | ● | - |
| *700H | 1778.00 | 140 | ● | - |
| 730H | 1854.20 | 146 | ● | - |
| *750H | 1905.00 | 150 | ● | - |
| 760H | 1930.40 | 152 | ● | - |
| 770H | 1955.80 | 154 | ● | - |
| *800H | 2032.00 | 160 | ● | - |
| 810H | 2057.40 | 162 | ● | - |
| 820H | 2082.80 | 164 | ● | - |
| 840H | 2133.60 | 168 | ● | - |
| *850H | 2159.00 | 170 | ● | - |
| 860H | 2184.40 | 172 | ● | - |
| 880H | 2235.20 | 176 | ● | - |
| *900H | 2286.00 | 180 | ● | - |
| 950H | 2413.00 | 190 | ● | - |
| 985H | 2501.90 | 197 | ● | - |
| *1000H | 2540.00 | 200 | ● | - |
| 1020H | 2590.80 | 204 | ● | - |
| 1050H | 2667.00 | 210 | ● | - |
| *1100H | 2794.00 | 220 | ● | - |
| 1130H | 2870.20 | 226 | ● | - |
| 1140H | 2895.60 | 228 | ● | - |
| *1250H | 3175.00 | 250 | ● | - |
| 1325H | 3365.50 | 265 | ● | - |
| 1350H | 3429.00 | 270 | ● | - |
| *1400H | 3556.00 | 280 | ● | - |
| 1680H | 4267.20 | 336 | ● | - |
| *1700H | 4318.00 | 340 | ● | - |

Type XH

Pitch: 22.225 mm

| Belt nominal length | Pitch length (mm) | No. of teeth | R | U |
|---------------------|-------------------|--------------|---|---|
| *507XH | 1289.05 | 58 | ● | - |
| *560XH | 1422.40 | 64 | ● | - |
| *630XH | 1600.20 | 72 | ● | - |
| *700XH | 1778.00 | 80 | ● | - |
| 735XH | 1866.90 | 84 | ● | - |
| *770XH | 1955.80 | 88 | ● | - |
| *840XH | 2133.60 | 96 | ● | - |
| 875XH | 2222.50 | 100 | ● | - |
| 927XH | 2355.85 | 106 | ● | - |
| *980XH | 2489.20 | 112 | ● | - |
| *1120XH | 2844.80 | 128 | ● | - |
| *1260XH | 3200.40 | 144 | ● | - |
| *1400XH | 3556.00 | 160 | ● | - |
| *1540XH | 3911.60 | 176 | ● | - |
| *1750XH | 4445.00 | 200 | ● | - |

Type XXH

Pitch: 31.75 mm

| Belt nominal length | Pitch length (mm) | No. of teeth | R | U |
|---------------------|-------------------|--------------|---|---|
| *700XXH | 1778.00 | 56 | ● | - |
| *800XXH | 2032.00 | 64 | ● | - |
| *900XXH | 2286.00 | 72 | ● | - |
| *1000XXH | 2540.00 | 80 | ● | - |
| *1200XXH | 3048.00 | 96 | ● | - |
| *1400XXH | 3556.00 | 112 | ● | - |
| *1600XXH | 4064.00 | 128 | ● | - |
| *1800XXH | 4572.00 | 144 | ● | - |
| 1915XXH | 4857.75 | 153 | ● | - |

Note) * indicates RMA standard sizes.

(Remarks)

- 1) For Type L with the ● mark, check the length and the number of teeth.
- 2) * indicates RMA standard sizes.

Rubber-Synchronous Belt standard widths

| Nominal width | | | 025 | 031 | 037 | 050 | 075 | 100 | 150 | 200 | 300 | 400 | 500 | 600 |
|---------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|-------|-------|-------|
| Width (mm) | 3.2 | 4.8 | 6.4 | 7.9 | 9.5 | 12.7 | 19.1 | 25.4 | 38.1 | 50.8 | 76.2 | 101.6 | 127.0 | 152.4 |
| MXL | ● | ● | ● | | ● | ● | | | | | | | | |
| XL(DXL) | | | ● | ● | ● | ● | ● | | | | | | | |
| L(DL) | | | | | | ● | ● | ● | ● | ● | | | | |
| H(DH) | | | | | | | ● | ● | ● | ● | ● | | | |
| XH | | | | | | | | | | ● | ● | ● | ● | ● |
| XXH | | | | | | | | | | ● | ● | ● | ● | ● |