



绍兴凯一同步带有限公司

Shaoxing CSHBELT Co., Ltd.

# ***Rubber Timing Belts***

橡 胶 同 步 带

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## 公司概况 Company Profile

### 公司简介

- 绍兴凯一同步带有限公司全心致力于研发和生产工业用橡胶同步带、聚氨酯同步带。最新的技术、独特的制造工艺、先进的测控设备和专业的生产管理团队是产品品质的可靠保证。
- 绍兴凯一同步带有限公司提供的同步带产品广泛应用于工业传动系统，包括动力传动、直线运动、同步输送等等。

### 我们的使命

- 绍兴凯一同步带有限公司的目标是：创新进取，为工业应用领域提供优质的橡胶同步带及聚氨酯同步带产品。

### 公司规模

- 投资额: 220万美圆
- 年销售额: 超过300万美圆
- 员工数量: 超过100人
- 厂区面积: 72000平方英尺
- 主要设备: 超过70台

### 研发部门

- 最新的技术
- 独特的制造工艺
- 先进的测控设备
- 专业的生产管理团队
- 所有模具均自行设计制造

### 背景

- 2003年，嵊州恒利工业皮带有限公司创办。
- 2005年，开发出热塑性聚氨酯开口同步带产品。
- 2007年，开发出聚氨酯无缝环型同步带全自动生产线和针对特殊同步带的若干专用设备，成为聚氨酯同步带的专业生产厂家。
- 2008年初，嵊州恒利工业皮带有限公司出资收购了位于浙江宁波的橡胶同步带专业生产厂家——慈溪XX同步带有限公司。随后在中国经济开发区50强之一浙江省嵊州市经济开发区新建厂房、聘请2位业内资深工程师全面主持橡胶同步带的技术和生产工作。成为橡胶同步带和聚氨酯同步带的专业生产厂家。
- 2010年初，嵊州恒利工业皮带有限公司更名为绍兴凯一同步带有限公司，使用统一品牌CSHBELT。

### The company

- Shaoxing CSHBELT Co., Ltd. is a leading manufacturer of rubber timing belts and polyurethane timing belts for industrial applications. The newest technology, the unique fabrication technology, the advanced testing equipment and the specialized production management team are reliable guarantees of the products quality.
- CSHBELT products are widely applies in the industrial



transmission system, including power transmission, linear motion, conveying and so on.

### Our Mission

- CSHBELT mission is: Constantly innovation to provide the high quality rubber timing belts and polyurethane timing belts for all the industrial applications.

### Company Size

- Investment value: 2.2 million USD
- Turnover: more than 3 million USD
- Employee: more than 100
- Factory area: 72000 square ft
- Main equipments: more than 70 units

### R&D

- The newest technology
- The unique fabrication technology
- The advanced testing equipment
- The specialized production management team
- All molds are the independent design manufacture

### Background

- In 2003, Shengzhou Hengli Industrial Belts Co., Ltd. founded.
- In 2005, has developed the thermoplastic polyurethane open end timing belts.
- In 2007, has developed full automation production line for the truly endless polyurethane timing belts and some Special purpose equipments for the special timing belts. Became the professional manufacturer of polyurethane timing belts.
- In the beginning of 2008, Shengzhou Hengli Industrial Belts Co., Ltd. investment has purchased a leading manufacturer of rubber timing belts —— Cixi XX Synchronous Belt Co., Ltd. (Located in Ningbo, Zhejiang). Then newly built up plant in Shengzhou Economic Development Zone, Zhejiang province, which is the Top 50 Economic development zone in China. Invites two senior engineers manages the technical work and productive work of rubber timing belts comprehensively. Became the professional manufacturer of rubber timing belts and polyurethane timing belts.
- In 2010, Shengzhou Hengli Industrial Belts Co., Ltd. Changes the name for Shaoxing CSHBELT Co., Ltd. Use the uniform brand “CSHBELT” .



# 橡胶同步带

## Rubber Timing Belts



# 橡胶同步带

## Rubber Timing Belts

### 产品介绍

- 同步带传动是由一根内周表面设有等间距齿的封闭环形胶带和相应的带轮所组成。运行时，带齿与带轮的齿槽相啮合传递动力，是一种啮合传动。这是综合了齿轮传动、链传动和皮带传动各种优点的新型带传动。
- 本公司现有同步带型号30余种，规格1500多种，同时可以为用户设计制造特殊规格型号的同步带。

### Product Introduction

- Timing belt drive consists of an endless belt whose inner surface has equal spaced teeth and belt pulley which have the relative teeth. While working, the teeth of the belt and the teeth of the pulley joggle each other to transmit the motion and the dynamic force. It is a kind of new type drive which has synthesized all the good points of belt drive, chain drive and gear drive.
- Now we have over 30 types timing belts with more than 1500 specifications, It may also design and manufacture timing belt with special specification to satisfy customer's requirements.



### 结构



#### 氯丁橡胶带身

- 具有良好的耐油脂，耐热和耐老化性能。



#### 玻璃纤维张力层

- 具有高强度，良好的耐屈挠性能和低伸长率。



#### 齿面尼龙布

- 提高了齿的耐磨损性和抗剪切强度。

#### • Neoprene body

provides protection against oil, grease, heat and aging.

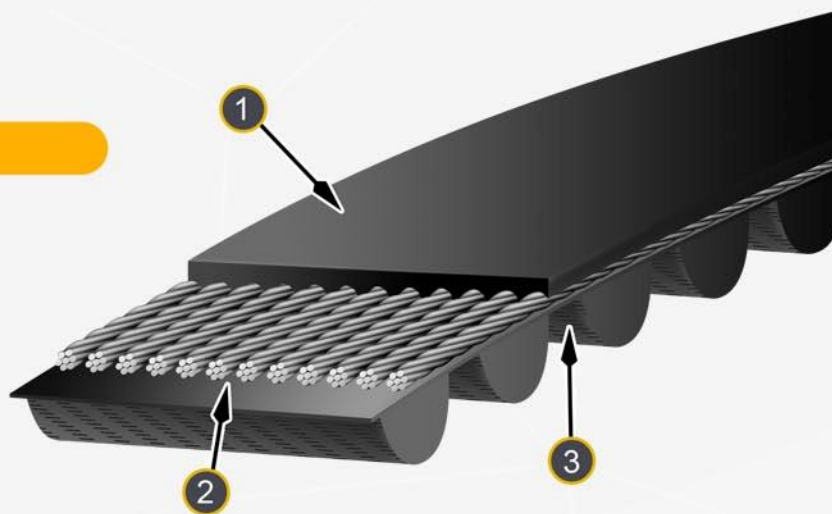
#### • Structure

#### • Glass Fiber cord

provides high strength, good flexing performance, and low elongation.

#### • Nylon fabric tooth facing

provides resistance to abrasion and tooth shear.



### 订购示例 Order Example

|     |   |     |                                  |               |                           |                      |                           |
|-----|---|-----|----------------------------------|---------------|---------------------------|----------------------|---------------------------|
| 980 | H | 200 | 宽度2.00英寸<br>Width 2.00 inch      | 10 x T5 x 900 | 节线长度<br>Pitch length (mm) | HTD - 1280 - 8M - 50 | 宽度Width (mm)              |
|     |   |     | 型号 Type                          |               | 型号 Type                   |                      | 型号 Type                   |
|     |   |     | 节线长度98英寸<br>Pitch length 98 inch |               | 宽度<br>Width (mm)          |                      | 节线长度<br>Pitch length (mm) |
|     |   |     |                                  |               |                           |                      | 齿型代号 Teeth                |

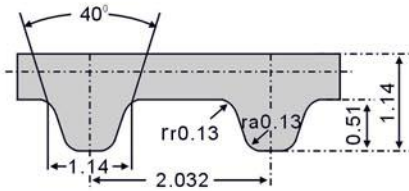
注：可以根据客户需要来样或图纸定做加工。

Customer-made producing and processing against samples or drawings are available.

# 同步带规格、型号、尺寸表

## Dimension of Rubber Timing Belts

**MXL 型 / Type**



| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| B42MXL     | 85.344                  | 42                 |
| 34MXL      | 87.376                  | 43                 |
| 43MXL      | 109.728                 | 54                 |
| 44MXL      | 111.76                  | 55                 |
| 45MXL      | 113.792                 | 56                 |
| 46MXL      | 117.856                 | 58                 |
| 47MXL      | 119.888                 | 59                 |
| 48MXL      | 121.92                  | 60                 |
| 49MXL      | 123.952                 | 61                 |
| 49.5MXL    | 125.984                 | 62                 |
| 50MXL      | 128.016                 | 63                 |
| 52MXL      | 132.08                  | 65                 |
| 53MXL      | 134.112                 | 66                 |
| 53.5MXL    | 136.144                 | 67                 |
| 54MXL      | 138.176                 | 68                 |
| 57MXL      | 144.272                 | 71                 |
| 58MXL      | 146.304                 | 72                 |
| 58.5MXL    | 148.336                 | 73                 |
| 60MXL      | 152.4                   | 75                 |
| 61MXL      | 154.432                 | 76                 |
| 61.5MXL    | 156.464                 | 77                 |
| 62MXL      | 158.496                 | 78                 |
| 63MXL      | 160.528                 | 79                 |
| 64MXL      | 162.56                  | 80                 |
| 65MXL      | 166.624                 | 82                 |
| 66MXL      | 168.656                 | 83                 |
| 68MXL      | 172.72                  | 85                 |
| 69MXL      | 176.784                 | 87                 |
| 70MXL      | 178.816                 | 88                 |
| 71MXL      | 180.848                 | 89                 |
| 72MXL      | 182.88                  | 90                 |
| 73MXL      | 186.944                 | 92                 |
| 75MXL      | 191.008                 | 94                 |
| 76MXL      | 193.04                  | 95                 |
| 76.5MXL    | 195.072                 | 96                 |
| 77MXL      | 197.104                 | 97                 |
| 78MXL      | 199.136                 | 98                 |
| 79MXL      | 201.168                 | 99                 |
| 80MXL      | 203.2                   | 100                |

| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| 81MXL      | 207.264                 | 102                |
| 82MXL      | 209.296                 | 103                |
| 83MXL      | 211.328                 | 104                |
| 84MXL      | 213.36                  | 105                |
| 85MXL      | 215.392                 | 106                |
| 86MXL      | 219.456                 | 108                |
| 87MXL      | 221.488                 | 109                |
| 88MXL      | 223.52                  | 110                |
| 89MXL      | 227.584                 | 112                |
| 90MXL      | 229.616                 | 113                |
| 91MXL      | 231.648                 | 114                |
| 92MXL      | 233.68                  | 115                |
| 93MXL      | 235.712                 | 116                |
| 94MXL      | 239.776                 | 118                |
| 96MXL      | 243.84                  | 120                |
| 97MXL      | 245.872                 | 121                |
| 97.5MXL    | 247.904                 | 122                |
| 98MXL      | 249.936                 | 123                |
| 99MXL      | 251.968                 | 124                |
| 100MXL     | 254                     | 125                |
| 101MXL     | 256.032                 | 126                |
| 101.5MXL   | 258.064                 | 127                |
| 102MXL     | 260.096                 | 128                |
| 104MXL     | 264.16                  | 130                |
| 105MXL     | 266.192                 | 131                |
| 106MXL     | 268.224                 | 132                |
| 107MXL     | 270.256                 | 133                |
| 107.5MXL   | 272.288                 | 134                |
| 108MXL     | 274.32                  | 135                |
| 111MXL     | 282.448                 | 139                |
| 112MXL     | 284.48                  | 140                |
| 113MXL     | 288.544                 | 142                |
| 115MXL     | 292.608                 | 144                |
| 116MXL     | 294.64                  | 145                |
| 117.5MXL   | 298.704                 | 147                |
| 118MXL     | 300.736                 | 148                |
| 119MXL     | 302.768                 | 149                |
| 120MXL     | 304.8                   | 150                |
| 121MXL     | 306.832                 | 151                |
| 122MXL     | 310.896                 | 153                |
| 124MXL     | 314.96                  | 155                |
| 125MXL     | 316.992                 | 156                |
| 126MXL     | 321.056                 | 158                |
| 128MXL     | 325.12                  | 160                |
| 130MXL     | 329.184                 | 162                |
| 132MXL     | 335.28                  | 165                |
| 135MXL     | 343.408                 | 169                |
| 136MXL     | 345.44                  | 170                |

| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| 140MXL     | 355.6                   | 175                |
| 144MXL     | 365.76                  | 180                |
| 147MXL     | 373.888                 | 184                |
| 148MXL     | 375.92                  | 185                |
| 152MXL     | 386.08                  | 190                |
| 154MXL     | 390.144                 | 192                |
| 155MXL     | 394.208                 | 194                |
| 156MXL     | 396.24                  | 195                |
| 160MXL     | 406.4                   | 200                |
| 162MXL     | 412.496                 | 203                |
| 168MXL     | 426.72                  | 210                |
| 169.6MXL   | 430.784                 | 212                |
| 172MXL     | 436.88                  | 215                |
| 173MXL     | 438.912                 | 216                |
| 175MXL     | 445.008                 | 219                |
| 180MXL     | 457.2                   | 225                |
| 183MXL     | 465.328                 | 229                |
| 185MXL     | 471.424                 | 232                |
| 187MXL     | 475.488                 | 234                |
| 188MXL     | 477.52                  | 235                |
| 189MXL     | 479.552                 | 236                |
| 192MXL     | 487.68                  | 240                |
| 198MXL     | 503.936                 | 248                |
| 205MXL     | 520.192                 | 256                |
| 212MXL     | 538.48                  | 265                |
| 218MXL     | 554.736                 | 273                |
| 221MXL     | 560.832                 | 276                |
| 224MXL     | 568.96                  | 280                |
| 228MXL     | 579.12                  | 285                |
| 232MXL     | 589.28                  | 290                |
| 238MXL     | 605.536                 | 298                |
| 240MXL     | 609.6                   | 300                |
| 244MXL     | 619.76                  | 305                |
| 250MXL     | 633.984                 | 312                |
| 252MXL     | 640.08                  | 315                |
| 256MXL     | 650.24                  | 320                |
| 258MXL     | 656.336                 | 323                |
| 261MXL     | 662.432                 | 326                |
| 262MXL     | 666.496                 | 328                |
| 266MXL     | 676.656                 | 333                |
| 269MXL     | 682.752                 | 336                |
| 278MXL     | 705.104                 | 347                |
| 288MXL     | 731.52                  | 360                |
| 297MXL     | 753.872                 | 371                |
| 298MXL     | 755.904                 | 372                |
| 302MXL     | 768.096                 | 378                |
| 304MXL     | 772.16                  | 380                |
| 312MXL     | 792.48                  | 390                |



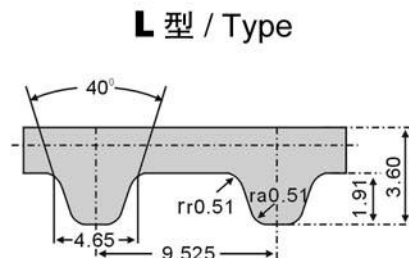


# 同步带规格、型号、尺寸表

## Dimension of Rubber Timing Belts

| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| 248XL      | 629.92                  | 124                |
| 250XL      | 635                     | 125                |
| 254XL      | 645.16                  | 127                |
| 258XL      | 655.32                  | 129                |
| 260XL      | 660.4                   | 130                |
| 262XL      | 665.48                  | 131                |
| 264XL      | 670.56                  | 132                |
| 266XL      | 675.64                  | 133                |
| 268XL      | 680.72                  | 134                |
| 270XL      | 685.8                   | 135                |
| 274XL      | 695.96                  | 137                |
| 276XL      | 701.04                  | 138                |
| 278XL      | 706.12                  | 139                |
| 280XL      | 711.2                   | 140                |
| 282XL      | 716.28                  | 141                |
| 286XL      | 726.44                  | 143                |
| 290XL      | 736.6                   | 145                |
| 296XL      | 751.84                  | 148                |
| 300XL      | 762                     | 150                |
| 302XL      | 767.08                  | 151                |
| 304XL      | 772.16                  | 152                |
| 306XL      | 777.24                  | 153                |
| 310XL      | 787.4                   | 155                |
| 312XL      | 792.48                  | 156                |
| 314XL      | 797.56                  | 157                |
| 316XL      | 802.64                  | 158                |
| 320XL      | 812.8                   | 160                |
| 322XL      | 817.88                  | 161                |
| 330XL      | 838.2                   | 165                |
| 332XL      | 843.28                  | 166                |
| 334XL      | 848.36                  | 167                |
| 336XL      | 853.44                  | 168                |
| 338XL      | 858.52                  | 169                |
| 340XL      | 863.6                   | 170                |
| 344XL      | 873.76                  | 172                |
| 348XL      | 883.92                  | 174                |
| 350XL      | 889                     | 175                |
| 352XL      | 894.08                  | 176                |
| 356XL      | 904.24                  | 178                |
| 360XL      | 914.4                   | 180                |
| 364XL      | 924.56                  | 182                |
| 370XL      | 939.8                   | 185                |
| 372XL      | 944.88                  | 186                |
| 376XL      | 955.04                  | 188                |
| 380XL      | 965.2                   | 190                |
| 382XL      | 970.28                  | 191                |
| 384XL      | 975.36                  | 192                |
| 390XL      | 990.6                   | 195                |

| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| 392XL      | 995.68                  | 196                |
| 396XL      | 1005.84                 | 198                |
| 400XL      | 1016                    | 200                |
| 412XL      | 1046.48                 | 206                |
| 414XL      | 1051.56                 | 207                |
| 424XL      | 1076.96                 | 212                |
| 430XL      | 1092.2                  | 215                |
| 432XL      | 1097.28                 | 216                |
| 434XL      | 1102.36                 | 217                |
| 438XL      | 1112.52                 | 219                |
| 450XL      | 1143                    | 225                |
| 460XL      | 1168.4                  | 230                |
| 468XL      | 1188.72                 | 234                |
| 470XL      | 1193.8                  | 235                |
| 480XL      | 1219.2                  | 240                |
| 490XL      | 1244.6                  | 245                |
| 498XL      | 1264.92                 | 249                |
| 506XL      | 1285.24                 | 253                |
| 510XL      | 1295.4                  | 255                |
| 522XL      | 1325.88                 | 261                |
| 530XL      | 1346.2                  | 265                |
| 532XL      | 1351.28                 | 266                |
| 564XL      | 1432.56                 | 282                |
| 572XL      | 1452.88                 | 286                |
| 580XL      | 1473.2                  | 290                |
| 592XL      | 1503.68                 | 296                |
| 600XL      | 1524                    | 300                |
| 612XL      | 1554.48                 | 306                |
| 630XL      | 1600.2                  | 315                |
| 648XL      | 1645.92                 | 324                |
| 670XL      | 1701.8                  | 335                |
| 672XL      | 1656.08                 | 326                |
| 686XL      | 1742.44                 | 343                |
| 690XL      | 1752.6                  | 345                |
| 700XL      | 1778                    | 350                |
| 720XL      | 1828.8                  | 360                |
| 730XL      | 1854.2                  | 365                |
| 736XL      | 1869.44                 | 368                |
| 770XL      | 1955.8                  | 385                |
| 828XL      | 2103.12                 | 414                |
| 850XL      | 2159                    | 425                |
| 860XL      | 2184.4                  | 430                |
| 884XL      | 2245.36                 | 442                |
| 1020XL     | 2590.8                  | 510                |



| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| 86L        | 219.075                 | 23                 |
| 98L        | 247.65                  | 26                 |
| 109L       | 276.225                 | 29                 |
| 113L       | 285.75                  | 30                 |
| 120L       | 304.8                   | 32                 |
| 124L       | 314.325                 | 33                 |
| 130L       | 333.375                 | 35                 |
| 135L       | 342.9                   | 36                 |
| 143L       | 361.95                  | 38                 |
| 150L       | 381                     | 40                 |
| 154L       | 390.525                 | 41                 |
| 158L       | 400.05                  | 42                 |
| 161L       | 409.575                 | 43                 |
| 165L       | 419.1                   | 44                 |
| 169L       | 428.625                 | 45                 |
| 173L       | 438.15                  | 46                 |
| 177L       | 447.675                 | 47                 |
| 180L       | 457.2                   | 48                 |
| 185L       | 466.725                 | 49                 |
| 187L       | 476.25                  | 50                 |
| 191L       | 485.775                 | 51                 |
| 195L       | 495.3                   | 52                 |
| 198L       | 504.825                 | 53                 |
| 203L       | 514.35                  | 54                 |
| 206L       | 523.875                 | 55                 |
| 210L       | 533.4                   | 56                 |
| 217L       | 552.45                  | 58                 |
| 220L       | 561.975                 | 59                 |
| 225L       | 571.5                   | 60                 |
| 230L       | 581.025                 | 61                 |
| 232L       | 590.55                  | 62                 |
| 236L       | 600.075                 | 63                 |
| 240L       | 609.6                   | 64                 |
| 244L       | 619.125                 | 65                 |
| 248L       | 628.65                  | 66                 |
| 250L       | 638.175                 | 67                 |
| 255L       | 647.7                   | 68                 |
| 258L       | 657.225                 | 69                 |
| 263L       | 666.75                  | 70                 |



## 同步带规格、型号、尺寸表

## Dimension of Rubber Timing Belts

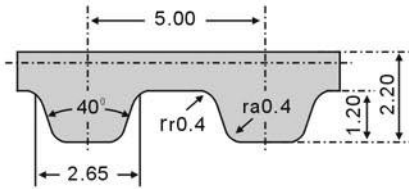
| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number | 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number | 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|------------|-------------------------|--------------------|------------|-------------------------|--------------------|
| 410H       | 1041.4                  | 82                 | 730H       | 1854.2                  | 146                | 1550H      | 3937                    | 310                |
| 415H       | 1054.1                  | 83                 | 740H       | 1879.6                  | 148                | 1560H      | 3962.4                  | 312                |
| 420H       | 1066.8                  | 84                 | 750H       | 1905                    | 150                | 1600H      | 4064                    | 320                |
| 425H       | 1079.5                  | 85                 | 760H       | 1930.4                  | 152                | 1630H      | 4140.2                  | 326                |
| 430H       | 1092.2                  | 86                 | 770H       | 1955.8                  | 154                | 1650H      | 4191                    | 330                |
| 435H       | 1104.9                  | 87                 | 780H       | 1981.2                  | 156                | 1700H      | 4318                    | 340                |
| 440H       | 1117.6                  | 88                 | 800H       | 2032                    | 160                | 1780H      | 4521.2                  | 356                |
| 445H       | 1130.3                  | 89                 | 810H       | 2057.4                  | 162                | 1800H      | 4572                    | 360                |
| 450H       | 1143                    | 90                 | 820H       | 2082.8                  | 164                | 1850H      | 4699                    | 370                |
| 460H       | 1168.4                  | 92                 | 830H       | 2108.2                  | 166                | 1900H      | 4826                    | 380                |
| 465H       | 1181.1                  | 93                 | 840H       | 2133.6                  | 168                |            |                         |                    |
| 470H       | 1193.8                  | 94                 | 850H       | 2159                    | 170                |            |                         |                    |
| 480H       | 1219.2                  | 96                 | 860H       | 2184.4                  | 172                |            |                         |                    |
| 485H       | 1231.9                  | 97                 | 870H       | 2209.8                  | 174                |            |                         |                    |
| 490H       | 1244.6                  | 98                 | 880H       | 2235.2                  | 176                |            |                         |                    |
| 495H       | 1257.3                  | 99                 | 885H       | 2247.9                  | 177                |            |                         |                    |
| 500H       | 1270                    | 100                | 900H       | 2286                    | 180                |            |                         |                    |
| 510H       | 1295.4                  | 102                | 940H       | 2387.6                  | 188                |            |                         |                    |
| 515H       | 1308.1                  | 103                | 950H       | 2413                    | 190                |            |                         |                    |
| 520H       | 1320.8                  | 104                | 960H       | 2438.4                  | 192                |            |                         |                    |
| 525H       | 1333.5                  | 105                | 980H       | 2489.2                  | 196                |            |                         |                    |
| 530H       | 1346.2                  | 106                | 985H       | 2501.9                  | 197                |            |                         |                    |
| 540H       | 1371.6                  | 108                | 1000H      | 2540                    | 200                |            |                         |                    |
| 550H       | 1397                    | 110                | 1020H      | 2590.8                  | 204                |            |                         |                    |
| 555H       | 1409.7                  | 111                | 1050H      | 2667                    | 210                |            |                         |                    |
| 560H       | 1422.4                  | 112                | 1070H      | 2717.8                  | 214                |            |                         |                    |
| 570H       | 1447.8                  | 114                | 1100H      | 2794                    | 220                |            |                         |                    |
| 580H       | 1473.2                  | 116                | 1120H      | 2844.8                  | 224                |            |                         |                    |
| 585H       | 1485.9                  | 117                | 1130H      | 2870.2                  | 226                |            |                         |                    |
| 590H       | 1498.6                  | 118                | 1135H      | 2882.9                  | 227                |            |                         |                    |
| 600H       | 1524                    | 120                | 1140H      | 2895.6                  | 228                |            |                         |                    |
| 605H       | 1536.7                  | 121                | 1150H      | 2921                    | 230                |            |                         |                    |
| 610H       | 1549.4                  | 122                | 1155H      | 2933.7                  | 231                |            |                         |                    |
| 615H       | 1562.1                  | 123                | 1160H      | 2946.4                  | 232                |            |                         |                    |
| 620H       | 1574.8                  | 124                | 1180H      | 2997.2                  | 236                |            |                         |                    |
| 625H       | 1587.5                  | 125                | 1200H      | 3048                    | 240                |            |                         |                    |
| 630H       | 1600.2                  | 126                | 1240H      | 3149.6                  | 248                |            |                         |                    |
| 640H       | 1625.6                  | 128                | 1250H      | 3175                    | 250                |            |                         |                    |
| 645H       | 1638.3                  | 129                | 1260H      | 3200.4                  | 252                |            |                         |                    |
| 650H       | 1651                    | 130                | 1270H      | 3225.8                  | 254                |            |                         |                    |
| 660H       | 1676.4                  | 132                | 1285H      | 3263.9                  | 257                |            |                         |                    |
| 670H       | 1701.8                  | 134                | 1325H      | 3365.5                  | 265                |            |                         |                    |
| 680H       | 1727.2                  | 136                | 1350H      | 3429                    | 270                |            |                         |                    |
| 700H       | 1778                    | 140                | 1360H      | 3454.4                  | 272                |            |                         |                    |
| 705H       | 1790.7                  | 141                | 1400H      | 3556                    | 280                |            |                         |                    |
| 710H       | 1803.4                  | 142                | 1450H      | 3683                    | 290                |            |                         |                    |
| 720H       | 1828.8                  | 144                | 1460H      | 3708.4                  | 292                |            |                         |                    |
| 725H       | 1841.5                  | 145                | 1500H      | 3810                    | 300                |            |                         |                    |



# 同步带规格、型号、尺寸表

## Dimension of Rubber Timing Belts

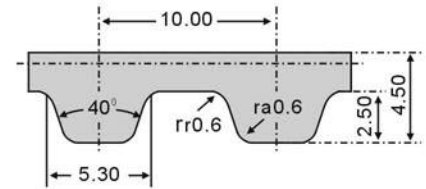
**T5 型 / Type**



| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| T5x165     | 165                     | 33                 |
| T5x185     | 185                     | 37                 |
| T5x220     | 220                     | 44                 |
| T5x240     | 240                     | 48                 |
| T5x245     | 245                     | 49                 |
| T5x250     | 250                     | 50                 |
| T5x260     | 260                     | 52                 |
| T5x270     | 270                     | 54                 |
| T5x280     | 280                     | 56                 |
| T5x300     | 300                     | 60                 |
| T5x310     | 310                     | 62                 |
| T5x320     | 320                     | 64                 |
| T5x325     | 325                     | 65                 |
| T5x330     | 330                     | 66                 |
| T5x340     | 340                     | 68                 |
| T5x350     | 350                     | 70                 |
| T5x355     | 355                     | 71                 |
| T5x365     | 365                     | 73                 |
| T5x375     | 375                     | 75                 |
| T5x390     | 390                     | 78                 |
| T5x400     | 400                     | 80                 |
| T5x420     | 420                     | 84                 |
| T5x435     | 435                     | 87                 |
| T5x455     | 455                     | 91                 |
| T5x460     | 460                     | 92                 |
| T5x470     | 470                     | 94                 |
| T5x475     | 475                     | 95                 |
| T5x480     | 480                     | 96                 |
| T5x500     | 500                     | 100                |
| T5x510     | 510                     | 102                |
| T5x525     | 525                     | 105                |
| T5x530     | 530                     | 106                |
| T5x550     | 550                     | 110                |
| T5x560     | 560                     | 112                |
| T5x575     | 575                     | 115                |
| T5x590     | 590                     | 118                |
| T5x635     | 635                     | 127                |
| T5x690     | 690                     | 138                |
| T5x705     | 705                     | 141                |

| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| T5x750     | 750                     | 150                |
| T5x755     | 755                     | 151                |
| T5x780     | 780                     | 156                |
| T5x800     | 800                     | 160                |
| T5x815     | 815                     | 163                |
| T5x880     | 880                     | 176                |
| T5x900     | 900                     | 180                |
| T5x940     | 940                     | 188                |
| T5x990     | 990                     | 198                |
| T5x1000    | 1000                    | 200                |
| T5x1035    | 1035                    | 207                |
| T5x1100    | 1100                    | 220                |
| T5x1200    | 1200                    | 240                |
| T5x1215    | 1215                    | 243                |
| T5x1275    | 1275                    | 255                |
| T5x1380    | 1380                    | 276                |
| T5x1420    | 1420                    | 284                |
| T5x1630    | 1630                    | 326                |
| T5x1740    | 1740                    | 348                |
| T5x1800    | 1800                    | 360                |
| T5x1900    | 1900                    | 380                |
| T5x1905    | 1905                    | 381                |
| T5x1960    | 1960                    | 392                |
| T5x2000    | 2000                    | 400                |
| T5x2280    | 2280                    | 456                |

**T10 型 / Type**



| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| T10x340    | 340                     | 34                 |
| T10x400    | 400                     | 40                 |
| T10x410    | 410                     | 41                 |
| T10x440    | 440                     | 44                 |
| T10x460    | 460                     | 46                 |
| T10x480    | 480                     | 48                 |
| T10x500    | 500                     | 50                 |
| T10x560    | 560                     | 56                 |
| T10x570    | 570                     | 57                 |
| T10x600    | 600                     | 60                 |
| T10x630    | 630                     | 63                 |
| T10x650    | 650                     | 65                 |
| T10x660    | 660                     | 66                 |
| T10x690    | 690                     | 69                 |
| T10x700    | 700                     | 70                 |
| T10x720    | 720                     | 72                 |
| T10x750    | 750                     | 75                 |
| T10x780    | 780                     | 78                 |
| T10x800    | 800                     | 80                 |
| T10x810    | 810                     | 81                 |
| T10x840    | 840                     | 84                 |
| T10x870    | 870                     | 87                 |
| T10x880    | 880                     | 88                 |
| T10x890    | 890                     | 89                 |
| T10x900    | 900                     | 90                 |
| T10x920    | 920                     | 92                 |
| T10x950    | 950                     | 95                 |
| T10x1000   | 1000                    | 100                |
| T10x1010   | 1010                    | 101                |
| T10x1050   | 1050                    | 105                |
| T10x1080   | 1080                    | 108                |
| T10x1100   | 1100                    | 110                |
| T10x1110   | 1110                    | 111                |
| T10x1120   | 1120                    | 112                |
| T10x1140   | 1140                    | 114                |
| T10x1150   | 1150                    | 115                |
| T10x1200   | 1200                    | 120                |
| T10x1240   | 1240                    | 124                |
| T10x1280   | 1280                    | 128                |



## 同步带规格、型号、尺寸表

## Dimension of Rubber Timing Belts

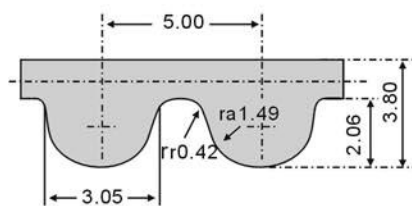
| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number | 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number | 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|------------|-------------------------|--------------------|------------|-------------------------|--------------------|
| 240-3M     | 240                     | 80                 | 402-3M     | 402                     | 134                | 633-3M     | 633                     | 211                |
| 243-3M     | 243                     | 81                 | 405-3M     | 405                     | 135                | 648-3M     | 648                     | 216                |
| 246-3M     | 246                     | 82                 | 408-3M     | 408                     | 136                | 654-3M     | 654                     | 218                |
| 249-3M     | 249                     | 83                 | 411-3M     | 411                     | 137                | 669-3M     | 669                     | 223                |
| 252-3M     | 252                     | 84                 | 420-3M     | 420                     | 140                | 675-3M     | 675                     | 225                |
| 255-3M     | 255                     | 85                 | 423-3M     | 423                     | 141                | 687-3M     | 687                     | 229                |
| 258-3M     | 258                     | 86                 | 426-3M     | 426                     | 142                | 696-3M     | 696                     | 232                |
| 261-3M     | 261                     | 87                 | 432-3M     | 432                     | 144                | 699-3M     | 699                     | 233                |
| 264-3M     | 264                     | 88                 | 435-3M     | 435                     | 145                | 708-3M     | 708                     | 236                |
| 267-3M     | 267                     | 89                 | 438-3M     | 438                     | 146                | 711-3M     | 711                     | 237                |
| 270-3M     | 270                     | 90                 | 447-3M     | 447                     | 149                | 738-3M     | 738                     | 246                |
| 273-3M     | 273                     | 91                 | 450-3M     | 450                     | 150                | 750-3M     | 750                     | 250                |
| 276-3M     | 276                     | 92                 | 453-3M     | 453                     | 151                | 753-3M     | 753                     | 251                |
| 279-3M     | 279                     | 93                 | 459-3M     | 459                     | 153                | 768-3M     | 768                     | 256                |
| 282-3M     | 282                     | 94                 | 462-3M     | 462                     | 154                | 789-3M     | 789                     | 263                |
| 285-3M     | 285                     | 95                 | 468-3M     | 468                     | 156                | 801-3M     | 801                     | 267                |
| 288-3M     | 288                     | 96                 | 474-3M     | 474                     | 158                | 804-3M     | 804                     | 268                |
| 291-3M     | 291                     | 97                 | 477-3M     | 477                     | 159                | 813-3M     | 813                     | 271                |
| 294-3M     | 294                     | 98                 | 480-3M     | 480                     | 160                | 825-3M     | 825                     | 275                |
| 297-3M     | 297                     | 99                 | 483-3M     | 483                     | 161                | 843-3M     | 843                     | 281                |
| 300-3M     | 300                     | 100                | 486-3M     | 486                     | 162                | 900-3M     | 900                     | 300                |
| 306-3M     | 306                     | 102                | 492-3M     | 492                     | 164                | 939-3M     | 939                     | 313                |
| 309-3M     | 309                     | 103                | 495-3M     | 495                     | 165                | 960-3M     | 960                     | 320                |
| 312-3M     | 312                     | 104                | 501-3M     | 501                     | 167                | 1002-3M    | 1002                    | 334                |
| 315-3M     | 315                     | 105                | 513-3M     | 513                     | 171                | 1068-3M    | 1068                    | 356                |
| 318-3M     | 318                     | 106                | 519-3M     | 519                     | 173                | 1125-3M    | 1125                    | 375                |
| 321-3M     | 321                     | 107                | 522-3M     | 522                     | 174                | 1200-3M    | 1200                    | 400                |
| 324-3M     | 324                     | 108                | 525-3M     | 525                     | 175                | 1263-3M    | 1263                    | 421                |
| 327-3M     | 327                     | 109                | 531-3M     | 531                     | 177                | 1335-3M    | 1335                    | 445                |
| 330-3M     | 330                     | 110                | 537-3M     | 537                     | 179                | 1344-3M    | 1344                    | 448                |
| 333-3M     | 333                     | 111                | 543-3M     | 543                     | 181                | 1374-3M    | 1374                    | 458                |
| 336-3M     | 336                     | 112                | 546-3M     | 546                     | 182                | 1569-3M    | 1569                    | 523                |
| 339-3M     | 339                     | 113                | 549-3M     | 549                     | 183                | 1800-3M    | 1800                    | 600                |
| 345-3M     | 345                     | 115                | 552-3M     | 552                     | 184                | 1863-3M    | 1863                    | 621                |
| 348-3M     | 348                     | 116                | 555-3M     | 555                     | 185                | 2040-3M    | 2040                    | 680                |
| 351-3M     | 351                     | 117                | 558-3M     | 558                     | 186                | 2388-3M    | 2388                    | 796                |
| 354-3M     | 354                     | 118                | 564-3M     | 564                     | 188                | 2640-3M    | 2640                    | 880                |
| 357-3M     | 357                     | 119                | 576-3M     | 576                     | 192                | 3000-3M    | 3000                    | 1000               |
| 360-3M     | 360                     | 120                | 579-3M     | 579                     | 193                | 3600-3M    | 3600                    | 1200               |
| 363-3M     | 363                     | 121                | 582-3M     | 582                     | 194                |            |                         |                    |
| 366-3M     | 366                     | 122                | 588-3M     | 588                     | 196                |            |                         |                    |
| 369-3M     | 369                     | 123                | 591-3M     | 591                     | 197                |            |                         |                    |
| 375-3M     | 375                     | 125                | 597-3M     | 597                     | 199                |            |                         |                    |
| 381-3M     | 381                     | 127                | 600-3M     | 600                     | 200                |            |                         |                    |
| 384-3M     | 384                     | 128                | 603-3M     | 603                     | 201                |            |                         |                    |
| 390-3M     | 390                     | 130                | 606-3M     | 606                     | 202                |            |                         |                    |
| 393-3M     | 393                     | 131                | 609-3M     | 609                     | 203                |            |                         |                    |
| 399-3M     | 399                     | 133                | 612-3M     | 612                     | 204                |            |                         |                    |



## 同步带规格、型号、尺寸表

## Dimension of Rubber Timing Belts

## HTD-5M 型 / Type



| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| 175-5M     | 175                     | 35                 |
| 180-5M     | 180                     | 36                 |
| 200-5M     | 200                     | 40                 |
| 210-5M     | 210                     | 42                 |
| 215-5M     | 215                     | 43                 |
| 225-5M     | 225                     | 45                 |
| 230-5M     | 230                     | 46                 |
| 235-5M     | 235                     | 47                 |
| 245-5M     | 245                     | 49                 |
| 250-5M     | 250                     | 50                 |
| 255-5M     | 255                     | 51                 |
| 260-5M     | 260                     | 52                 |
| 265-5M     | 265                     | 53                 |
| 270-5M     | 270                     | 54                 |
| 275-5M     | 275                     | 55                 |
| 280-5M     | 280                     | 56                 |
| 285-5M     | 285                     | 57                 |
| 295-5M     | 295                     | 59                 |
| 300-5M     | 300                     | 60                 |
| 305-5M     | 305                     | 61                 |
| 310-5M     | 310                     | 62                 |
| 320-5M     | 320                     | 64                 |
| 325-5M     | 325                     | 65                 |
| 330-5M     | 330                     | 66                 |
| 335-5M     | 335                     | 67                 |
| 340-5M     | 340                     | 68                 |
| 345-5M     | 345                     | 69                 |
| 350-5M     | 350                     | 70                 |
| 355-5M     | 355                     | 71                 |
| 360-5M     | 360                     | 72                 |
| 365-5M     | 365                     | 73                 |
| 370-5M     | 370                     | 74                 |
| 375-5M     | 375                     | 75                 |
| 380-5M     | 380                     | 76                 |
| 385-5M     | 385                     | 77                 |
| 390-5M     | 390                     | 78                 |
| 400-5M     | 400                     | 80                 |
| 405-5M     | 405                     | 81                 |
| 410-5M     | 410                     | 82                 |

| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| 420-5M     | 420                     | 84                 |
| 425-5M     | 425                     | 85                 |
| 430-5M     | 430                     | 86                 |
| 435-5M     | 435                     | 87                 |
| 440-5M     | 440                     | 88                 |
| 450-5M     | 450                     | 90                 |
| 460-5M     | 460                     | 92                 |
| 465-5M     | 465                     | 93                 |
| 470-5M     | 470                     | 94                 |
| 475-5M     | 475                     | 95                 |
| 480-5M     | 480                     | 96                 |
| 490-5M     | 490                     | 98                 |
| 495-5M     | 495                     | 99                 |
| 500-5M     | 500                     | 100                |
| 505-5M     | 505                     | 101                |
| 510-5M     | 510                     | 102                |
| 515-5M     | 515                     | 103                |
| 520-5M     | 520                     | 104                |
| 525-5M     | 525                     | 105                |
| 530-5M     | 530                     | 106                |
| 535-5M     | 535                     | 107                |
| 540-5M     | 540                     | 108                |
| 550-5M     | 550                     | 110                |
| 560-5M     | 560                     | 112                |
| 565-5M     | 565                     | 113                |
| 570-5M     | 570                     | 114                |
| 575-5M     | 575                     | 115                |
| 580-5M     | 580                     | 116                |
| 585-5M     | 585                     | 117                |
| 590-5M     | 590                     | 118                |
| 595-5M     | 595                     | 119                |
| 600-5M     | 600                     | 120                |
| 605-5M     | 605                     | 121                |
| 610-5M     | 610                     | 122                |
| 615-5M     | 615                     | 123                |
| 620-5M     | 620                     | 124                |
| 625-5M     | 625                     | 125                |
| 630-5M     | 630                     | 126                |
| 635-5M     | 635                     | 127                |
| 640-5M     | 640                     | 128                |
| 645-5M     | 645                     | 129                |
| 650-5M     | 650                     | 130                |
| 655-5M     | 655                     | 131                |
| 660-5M     | 660                     | 132                |
| 665-5M     | 665                     | 133                |
| 670-5M     | 670                     | 134                |
| 675-5M     | 675                     | 135                |
| 680-5M     | 680                     | 136                |

| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| 685-5M     | 685                     | 137                |
| 690-5M     | 690                     | 138                |
| 695-5M     | 695                     | 139                |
| 700-5M     | 700                     | 140                |
| 710-5M     | 710                     | 142                |
| 715-5M     | 715                     | 143                |
| 720-5M     | 720                     | 144                |
| 725-5M     | 725                     | 145                |
| 730-5M     | 730                     | 146                |
| 740-5M     | 740                     | 148                |
| 745-5M     | 745                     | 149                |
| 750-5M     | 750                     | 150                |
| 755-5M     | 755                     | 151                |
| 760-5M     | 760                     | 152                |
| 765-5M     | 765                     | 153                |
| 770-5M     | 770                     | 154                |
| 775-5M     | 775                     | 155                |
| 780-5M     | 780                     | 156                |
| 790-5M     | 790                     | 158                |
| 800-5M     | 800                     | 160                |
| 810-5M     | 810                     | 162                |
| 815-5M     | 815                     | 163                |
| 820-5M     | 820                     | 164                |
| 825-5M     | 825                     | 165                |
| 830-5M     | 830                     | 166                |
| 835-5M     | 835                     | 167                |
| 840-5M     | 840                     | 168                |
| 845-5M     | 845                     | 169                |
| 850-5M     | 850                     | 170                |
| 860-5M     | 860                     | 172                |
| 870-5M     | 870                     | 174                |
| 880-5M     | 880                     | 176                |
| 890-5M     | 890                     | 178                |
| 900-5M     | 900                     | 180                |
| 920-5M     | 920                     | 184                |
| 925-5M     | 925                     | 185                |
| 930-5M     | 930                     | 186                |
| 935-5M     | 935                     | 187                |
| 940-5M     | 940                     | 188                |
| 950-5M     | 950                     | 190                |
| 955-5M     | 955                     | 191                |
| 960-5M     | 960                     | 192                |
| 965-5M     | 965                     | 193                |
| 975-5M     | 975                     | 195                |
| 980-5M     | 980                     | 196                |
| 985-5M     | 985                     | 197                |
| 1000-5M    | 1000                    | 200                |
| 1015-5M    | 1015                    | 203                |



## 同步带规格、型号、尺寸表

## Dimension of Rubber Timing Belts

| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number | 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number | 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|------------|-------------------------|--------------------|------------|-------------------------|--------------------|
| 736-8M     | 736                     | 92                 | 1176-8M    | 1176                    | 147                | 1728-8M    | 1728                    | 216                |
| 744-8M     | 744                     | 93                 | 1184-8M    | 1184                    | 148                | 1760-8M    | 1760                    | 220                |
| 760-8M     | 760                     | 95                 | 1192-8M    | 1192                    | 149                | 1768-8M    | 1768                    | 221                |
| 768-8M     | 768                     | 96                 | 1200-8M    | 1200                    | 150                | 1776-8M    | 1776                    | 222                |
| 776-8M     | 776                     | 97                 | 1208-8M    | 1208                    | 151                | 1784-8M    | 1784                    | 223                |
| 784-8M     | 784                     | 98                 | 1216-8M    | 1216                    | 152                | 1792-8M    | 1792                    | 224                |
| 800-8M     | 800                     | 100                | 1224-8M    | 1224                    | 153                | 1800-8M    | 1800                    | 225                |
| 824-8M     | 824                     | 103                | 1232-8M    | 1232                    | 154                | 1824-8M    | 1824                    | 228                |
| 832-8M     | 832                     | 104                | 1240-8M    | 1240                    | 155                | 1840-8M    | 1840                    | 230                |
| 840-8M     | 840                     | 105                | 1248-8M    | 1248                    | 156                | 1848-8M    | 1848                    | 231                |
| 848-8M     | 848                     | 106                | 1256-8M    | 1256                    | 157                | 1856-8M    | 1856                    | 232                |
| 856-8M     | 856                     | 107                | 1264-8M    | 1264                    | 158                | 1872-8M    | 1872                    | 234                |
| 864-8M     | 864                     | 108                | 1272-8M    | 1272                    | 159                | 1880-8M    | 1880                    | 235                |
| 872-8M     | 872                     | 109                | 1280-8M    | 1280                    | 160                | 1888-8M    | 1888                    | 236                |
| 880-8M     | 880                     | 110                | 1296-8M    | 1296                    | 162                | 1896-8M    | 1896                    | 237                |
| 888-8M     | 888                     | 111                | 1304-8M    | 1304                    | 163                | 1904-8M    | 1904                    | 238                |
| 896-8M     | 896                     | 112                | 1312-8M    | 1312                    | 164                | 1920-8M    | 1920                    | 240                |
| 912-8M     | 912                     | 114                | 1320-8M    | 1320                    | 165                | 1936-8M    | 1936                    | 242                |
| 920-8M     | 920                     | 115                | 1328-8M    | 1328                    | 166                | 1944-8M    | 1944                    | 243                |
| 928-8M     | 928                     | 116                | 1344-8M    | 1344                    | 168                | 1952-8M    | 1952                    | 244                |
| 936-8M     | 936                     | 117                | 1360-8M    | 1360                    | 170                | 1960-8M    | 1960                    | 245                |
| 944-8M     | 944                     | 118                | 1392-8M    | 1392                    | 174                | 2000-8M    | 2000                    | 250                |
| 952-8M     | 952                     | 119                | 1400-8M    | 1400                    | 175                | 2008-8M    | 2008                    | 251                |
| 960-8M     | 960                     | 120                | 1408-8M    | 1408                    | 176                | 2016-8M    | 2016                    | 252                |
| 968-8M     | 968                     | 121                | 1416-8M    | 1416                    | 177                | 2032-8M    | 2032                    | 254                |
| 976-8M     | 976                     | 122                | 1424-8M    | 1424                    | 178                | 2048-8M    | 2048                    | 256                |
| 984-8M     | 984                     | 123                | 1432-8M    | 1432                    | 179                | 2056-8M    | 2056                    | 257                |
| 992-8M     | 992                     | 124                | 1440-8M    | 1440                    | 180                | 2080-8M    | 2080                    | 260                |
| 1000-8M    | 1000                    | 125                | 1448-8M    | 1448                    | 181                | 2096-8M    | 2096                    | 262                |
| 1008-8M    | 1008                    | 126                | 1456-8M    | 1456                    | 182                | 2104-8M    | 2104                    | 263                |
| 1016-8M    | 1016                    | 127                | 1464-8M    | 1464                    | 183                | 2120-8M    | 2120                    | 265                |
| 1032-8M    | 1032                    | 129                | 1480-8M    | 1480                    | 185                | 2160-8M    | 2160                    | 270                |
| 1040-8M    | 1040                    | 130                | 1512-8M    | 1512                    | 189                | 2176-8M    | 2176                    | 272                |
| 1048-8M    | 1048                    | 131                | 1520-8M    | 1520                    | 190                | 2184-8M    | 2184                    | 273                |
| 1056-8M    | 1056                    | 132                | 1536-8M    | 1536                    | 192                | 2200-8M    | 2200                    | 275                |
| 1064-8M    | 1064                    | 133                | 1552-8M    | 1552                    | 194                | 2208-8M    | 2208                    | 276                |
| 1072-8M    | 1072                    | 134                | 1560-8M    | 1560                    | 195                | 2224-8M    | 2224                    | 278                |
| 1080-8M    | 1080                    | 135                | 1576-8M    | 1576                    | 197                | 2240-8M    | 2240                    | 280                |
| 1088-8M    | 1088                    | 136                | 1584-8M    | 1584                    | 198                | 2248-8M    | 2248                    | 281                |
| 1096-8M    | 1096                    | 137                | 1600-8M    | 1600                    | 200                | 2272-8M    | 2272                    | 284                |
| 1104-8M    | 1104                    | 138                | 1624-8M    | 1624                    | 203                | 2304-8M    | 2304                    | 288                |
| 1112-8M    | 1112                    | 139                | 1640-8M    | 1640                    | 205                | 2352-8M    | 2352                    | 294                |
| 1120-8M    | 1120                    | 140                | 1648-8M    | 1648                    | 206                | 2392-8M    | 2392                    | 299                |
| 1128-8M    | 1128                    | 141                | 1656-8M    | 1656                    | 207                | 2400-8M    | 2400                    | 300                |
| 1136-8M    | 1136                    | 142                | 1680-8M    | 1680                    | 210                | 2488-8M    | 2488                    | 311                |
| 1152-8M    | 1152                    | 144                | 1696-8M    | 1696                    | 212                | 2504-8M    | 2504                    | 313                |
| 1160-8M    | 1160                    | 145                | 1704-8M    | 1704                    | 213                | 2536-8M    | 2536                    | 317                |
| 1168-8M    | 1168                    | 146                | 1720-8M    | 1720                    | 215                | 2600-8M    | 2600                    | 325                |











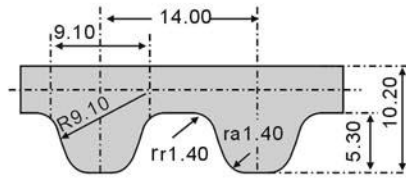


# 同步带规格、型号、尺寸表

## Dimension of Rubber Timing Belts

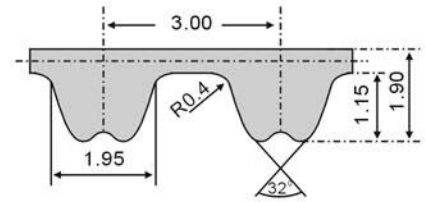
| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| 1544-S8M   | 1544                    | 193                |
| 1552-S8M   | 1552                    | 194                |
| 1600-S8M   | 1600                    | 200                |
| 1616-S8M   | 1616                    | 202                |
| 1624-S8M   | 1624                    | 203                |
| 1640-S8M   | 1640                    | 205                |
| 1648-S8M   | 1648                    | 206                |
| 1680-S8M   | 1680                    | 210                |
| 1688-S8M   | 1688                    | 211                |
| 1728-S8M   | 1728                    | 216                |
| 1760-S8M   | 1760                    | 220                |
| 1776-S8M   | 1776                    | 222                |
| 1792-S8M   | 1792                    | 224                |
| 1800-S8M   | 1800                    | 225                |
| 1880-S8M   | 1880                    | 235                |
| 1904-S8M   | 1904                    | 238                |
| 1952-S8M   | 1952                    | 244                |
| 2000-S8M   | 2000                    | 250                |
| 2032-S8M   | 2032                    | 254                |
| 2040-S8M   | 2040                    | 255                |
| 2048-S8M   | 2048                    | 256                |
| 2056-S8M   | 2056                    | 257                |
| 2120-S8M   | 2120                    | 265                |
| 2136-S8M   | 2136                    | 267                |
| 2160-S8M   | 2160                    | 270                |
| 2200-S8M   | 2200                    | 275                |
| 2240-S8M   | 2240                    | 280                |
| 2272-S8M   | 2272                    | 284                |
| 2296-S8M   | 2296                    | 287                |
| 2304-S8M   | 2304                    | 288                |
| 2400-S8M   | 2400                    | 300                |
| 2496-S8M   | 2496                    | 312                |
| 2600-S8M   | 2600                    | 325                |
| 2800-S8M   | 2800                    | 350                |
| 2848-S8M   | 2848                    | 356                |
| 2880-S8M   | 2880                    | 360                |
| 3200-S8M   | 3200                    | 400                |
| 3280-S8M   | 3280                    | 410                |
| 3400-S8M   | 3400                    | 425                |
| 3440-S8M   | 3440                    | 430                |
| 3600-S8M   | 3600                    | 450                |
| 3720-S8M   | 3720                    | 465                |
| 4000-S8M   | 4000                    | 500                |
| 5280-S8M   | 5280                    | 660                |

**S14M 型 / Type**



| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| 966-S14M   | 966                     | 69                 |
| 1008-S14M  | 1008                    | 72                 |
| 1190-S14M  | 1190                    | 85                 |
| 1246-S14M  | 1246                    | 89                 |
| 1400-S14M  | 1400                    | 100                |
| 1456-S14M  | 1456                    | 104                |
| 1470-S14M  | 1470                    | 105                |
| 1540-S14M  | 1540                    | 110                |
| 1610-S14M  | 1610                    | 115                |
| 1652-S14M  | 1652                    | 118                |
| 1750-S14M  | 1750                    | 125                |
| 1764-S14M  | 1764                    | 126                |
| 1778-S14M  | 1778                    | 127                |
| 1806-S14M  | 1806                    | 129                |
| 1890-S14M  | 1890                    | 135                |
| 1904-S14M  | 1904                    | 136                |
| 1932-S14M  | 1932                    | 138                |
| 2002-S14M  | 2002                    | 143                |
| 2100-S14M  | 2100                    | 150                |
| 2156-S14M  | 2156                    | 154                |
| 2240-S14M  | 2240                    | 160                |
| 2310-S14M  | 2310                    | 165                |
| 2380-S14M  | 2380                    | 170                |
| 2450-S14M  | 2450                    | 175                |
| 2590-S14M  | 2590                    | 185                |
| 2800-S14M  | 2800                    | 200                |
| 3136-S14M  | 3136                    | 224                |
| 3150-S14M  | 3150                    | 225                |
| 3500-S14M  | 3500                    | 250                |
| 3850-S14M  | 3850                    | 275                |
| 4004-S14M  | 4004                    | 286                |
| 4060-S14M  | 4060                    | 290                |
| 4326-S14M  | 4326                    | 309                |
| 4410-S14M  | 4410                    | 315                |
| 4508-S14M  | 4508                    | 322                |

**RPP3M 型 / Type**



| 规格<br>Type | 节线长(mm)<br>Pitch Length | 齿数<br>Teeth Number |
|------------|-------------------------|--------------------|
| 174-P3M    | 174                     | 58                 |
| 180-P3M    | 180                     | 60                 |
| 207-P3M    | 207                     | 69                 |
| 255-P3M    | 255                     | 85                 |
| 270-P3M    | 270                     | 90                 |
| 405-P3M    | 405                     | 135                |
| 420-P3M    | 420                     | 140                |
| 486-P3M    | 486                     | 162                |





# 双面齿同步带

## Double-sided Timing Belts



### 产品介绍

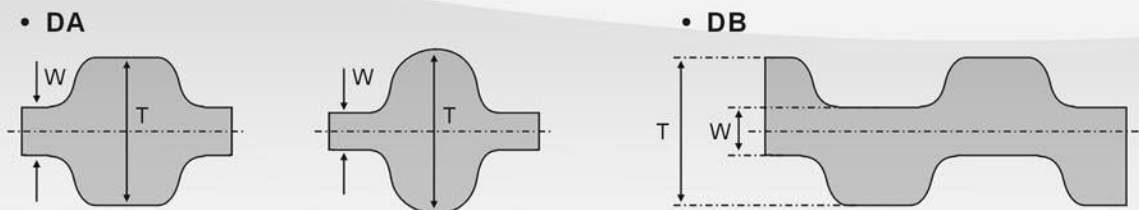
- 双面齿同步带的节距和齿形等同于单面齿同步带的齿形和节距。
- 双面齿同步带按带齿的排布可分为两种标准型式：DA型双面齿同步带，其两面带齿呈对称排列；DB型双面齿同步带，其两面带齿呈交错位置排列。

注：可以根据客户需要来样或图纸定做加工。

### Product Introduction

- The pitch and tooth profile of double-sided timing belt are same as the single-sided timing belt.
- Double-sided timing belt has two standard forms: Model DA Symmetrical arrangement of the two-side teeth; Model DB Staggered arrangement of the two-side teeth.

Customer-made producing and processing against samples or drawings are available.



# 双面齿同步带

## Double-sided Timing Belts



### 结构



#### 氯丁橡胶带身

- 具有良好的耐油脂，耐热和耐老化性能。



#### 玻璃纤维张力层

- 具有高强度，良好的耐屈挠性能和低伸长率。



#### 齿面尼龙布

- 提高了齿的耐磨损性和抗剪切强度。

#### • Neoprene body

provides protection against oil, grease, heat and aging.

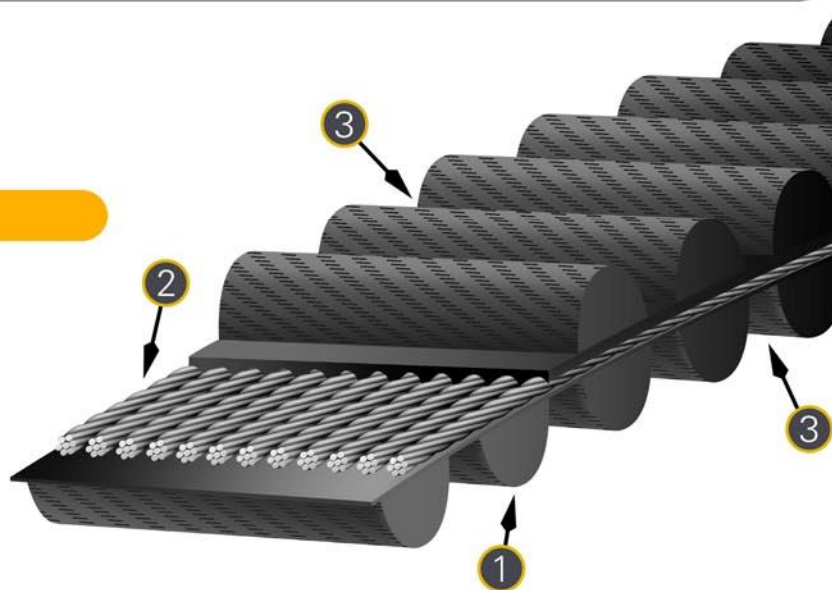
#### • Structure

#### • Glass Fiber cord

provides high strength, good flexing performance, and low elongation.

#### • Nylon fabric tooth facing

provides resistance to abrasion and tooth shear.



### • 双面齿同步带规格、型号、尺寸表

#### Dimension of Double-sided Timing Belts

| 型号<br>Type  | W     | T     | 规格代号<br>Size        | 节线长<br>Pitch Length(mm) | 齿数<br>Teeth Number |
|-------------|-------|-------|---------------------|-------------------------|--------------------|
| D-XL        | 0.508 | 3.05  | 156XL-1300XL        | 391.16-3302             | 78-650             |
| D-L         | 0.762 | 4.58  | 180L-1148L          | 457.2-2914.65           | 48-306             |
| D-H         | 1.372 | 5.95  | 240H-1700H          | 609.6-4318              | 48-340             |
| D-XH        | 2.794 | 15.49 | 507XH-1540XH        | 1289.05-3911.6          | 58-176             |
| D-T5        | 1.00  | 3.40  | T5x390-T5x2220      | 390-2220                | 78-444             |
| D-T10       | 2.00  | 7.00  | T10x460-T10x4280    | 460-4280                | 46-428             |
| HTD.DA-3M   | 0.760 | 3.10  | 390-3M-3000-3M      | 390-3000                | 130-1000           |
| HTD.DA-5M   | 1.143 | 5.26  | 400-5M-3750-5M      | 400-3750                | 80-750             |
| HTD.DA-8M   | 1.372 | 8.17  | 512-8M-4000-8M      | 512-4000                | 64-500             |
| HTD.DA-14M  | 2.80  | 14.84 | 1400-14M-4326-14M   | 14000-4326              | 100-309            |
| HTD.DA-S5M  | 0.96  | 4.25  | 400-S5M-2800-S5M    | 400-2800                | 80-560             |
| HTD.DA-S8M  | 1.372 | 7.48  | S8M-512-S8M-4000    | 512-4000                | 64-500             |
| HTD.DA-S14M | 2.8   | 12.36 | 1400-S14M-4508-S14M | 1400-4508               | 72-322             |

# 橡胶开口同步带

## Rubber Open end Timing Belts



### 产品介绍

- 橡胶开口同步带是基于优质原材料和独特制造工艺生产的橡胶同步带，特别适用于直线运动系统，广泛应用于自动门、数控机床、印刷机械等设备中。
- 高负载能力、低噪音及免维护使得橡胶开口同步带完美应用于直线运动系统中。
- 本公司现提供采用螺旋切割方式生产的橡胶开口同步带。

### Product Introduction

- Rubber open end timing belts are rubber based timing belts manufactured with high quality materials and unique fabrication technology. Especially suitable for linear motion systems, typically applies in: Automatic doors, CNC Machine tools, Printers etc.
- High load capacity, low noise and no maintenance make this belt a perfect performance in linear motion systems.
- CSHBELT rubber open end timing belts produced in spiral cut.

# 橡胶开口同步带

## Rubber Open end Timing Belts



### 结构



### 氯丁橡胶带身

- 具有良好的耐油脂，耐热和耐老化性能。



### 玻璃纤维张力层

- 具有高强度，良好的耐屈挠性能和低伸长率。



### 齿面尼龙布

- 提高了齿的耐磨损性和抗剪切强度。

### • Neoprene body

provides protection against oil, grease, heat and aging.

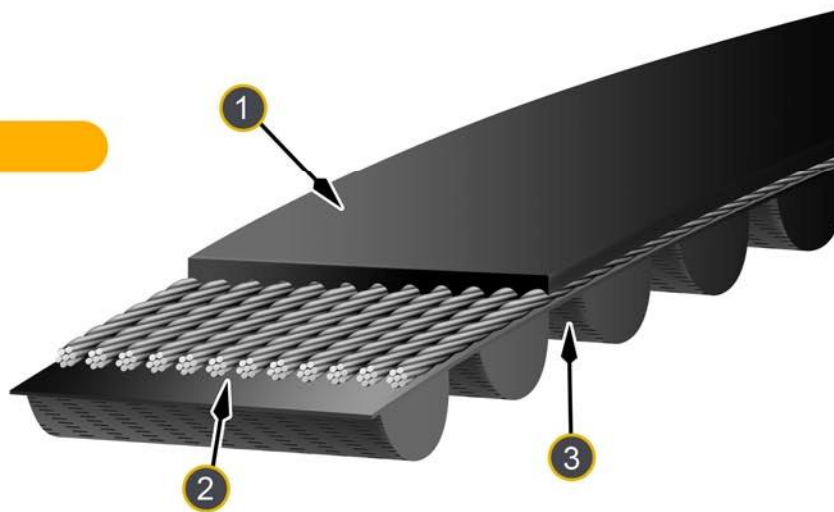
### Structure

### • Glass Fiber cord

provides high strength, good flexing performance, and low elongation.

### • Nylon fabric tooth facing

provides resistance to abrasion and tooth shear.



### 橡胶开口同步带规格、型号、尺寸表

#### Dimension of Rubber Open end Timing Belts

| MXL                 |                      | XL                  |                      | L                   |                      | H                   |                      |
|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|
| 标准宽度<br>Width(inch) | 卷长<br>Roll Length(m) | 标准宽度<br>Width(inch) | 卷长<br>Roll Length(m) | 标准宽度<br>Width(inch) | 卷长<br>Roll Length(m) | 标准宽度<br>Width(inch) | 卷长<br>Roll Length(m) |
| 025                 | 100                  | 025                 | 65                   | 037                 | 65                   | 050                 | 100                  |
| 031                 | 80                   | 031                 | 100                  | 050                 | 100                  | 075                 | 95                   |
| 037                 | 65                   | 037                 | 80                   | 075                 | 65                   | 100                 | 25                   |

| 3M                |                      | 5M                |                      | S5M               |                      | 8M/S8M/RPP8M      |                      |
|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|
| 标准宽度<br>Width(mm) | 卷长<br>Roll Length(m) | 标准宽度<br>Width(mm) | 卷长<br>Roll Length(m) | 标准宽度<br>Width(mm) | 卷长<br>Roll Length(m) | 标准宽度<br>Width(mm) | 卷长<br>Roll Length(m) |
| 6                 | 100                  | 9                 | 90                   | 9                 | 100                  | 10                | 75                   |
| 9                 | 70                   | 12                | 100                  | 12                | 100                  | 15                | 100                  |
| 12                | 55                   | 15                | 100                  | 15                | 80                   | 20                | 75                   |
| 15                | 40                   | 20                | 80                   | 20                | 60                   | 25                | 60                   |

# 同步带选型参考

## Timing Belts Select Reference

### 性能表 / Performance Table

| 项目 Item   | 梯形齿 T type timing belt   |     |     |     |      | 圆形齿 Arc tooth timing belt |     |     |      |      |     |
|---|--------------------------|-----|-----|-----|------|---------------------------|-----|-----|------|------|-----|
|   | XL                       | L   | H   | XH  | XXH  | 3M                        | 5M  | 8M  | 14M  | 20M  |     |
| 拉伸强度 Tensile strength, $\geq$ N/mm                    | 80                       | 120 | 270 | 380 | 450  | 90                        | 160 | 300 | 400  | 520  |     |
| 参考力伸长率<br>Elongation at reference load                | 参考力 Reference load, N/mm | 60  | 90  | 220 | 300  | 360                       | 70  | 130 | 240  | 320  | 410 |
|   | 伸长率 Elongation, $\leq$ % | 4.0 |     |     |      |                           |     |     |      |      |     |
| 包布粘合强度 Adhesion strength of nylon fabric, $\geq$ N/mm | 5                        | 6.5 | 8   | 10  | 12   | -                         | 6   | 10  | 12   | 15   |     |
| 芯绳粘合强度 Adhesion strength of cord, $\geq$ N/mm         | 200                      | 300 | 600 | 800 | 1500 | -                         | 400 | 700 | 1200 | 1600 |     |
| 齿体剪切强度 Gear shearing intensity, $\geq$ N/mm           | 50                       | 60  | 70  | 75  | 90   | -                         | 50  | 60  | 80   | 100  |     |

### 最小弯曲直径 / Minimum Bending Diameter

| 表1  | 同步带类型<br>Timing belt type      | 节距代号<br>Pitch type     | 允许地最小弯曲直径<br>D(mm)<br>Min bending diameter allowable |
|---|--------------------------------|------------------------|--|
|  | 梯形同步带<br>T type timing belt    | MXL,T2.5               | 15   |
|   |                                | XL,T5                  | 15   |
|   |                                | AT5,L,T10              | 20   |
|   |                                | AT10,H                 | 40   |
|   |                                | XH,T20                 | 70   |
|   |                                | XXH,20M                | 100  |
|   | 圆弧同步带<br>Arc tooth timing belt | S2M,S3M,3M,RPP2M,RPP3M | 15   |
|   |                                | S4.5M,S5M,5M,RPP5M     | 25   |
|   |                                | S8M,8M,RPP8M           | 40   |
|   |                                | S14M,14M,RPP14M        | 80   |

### 同步带推荐标准宽度尺寸表

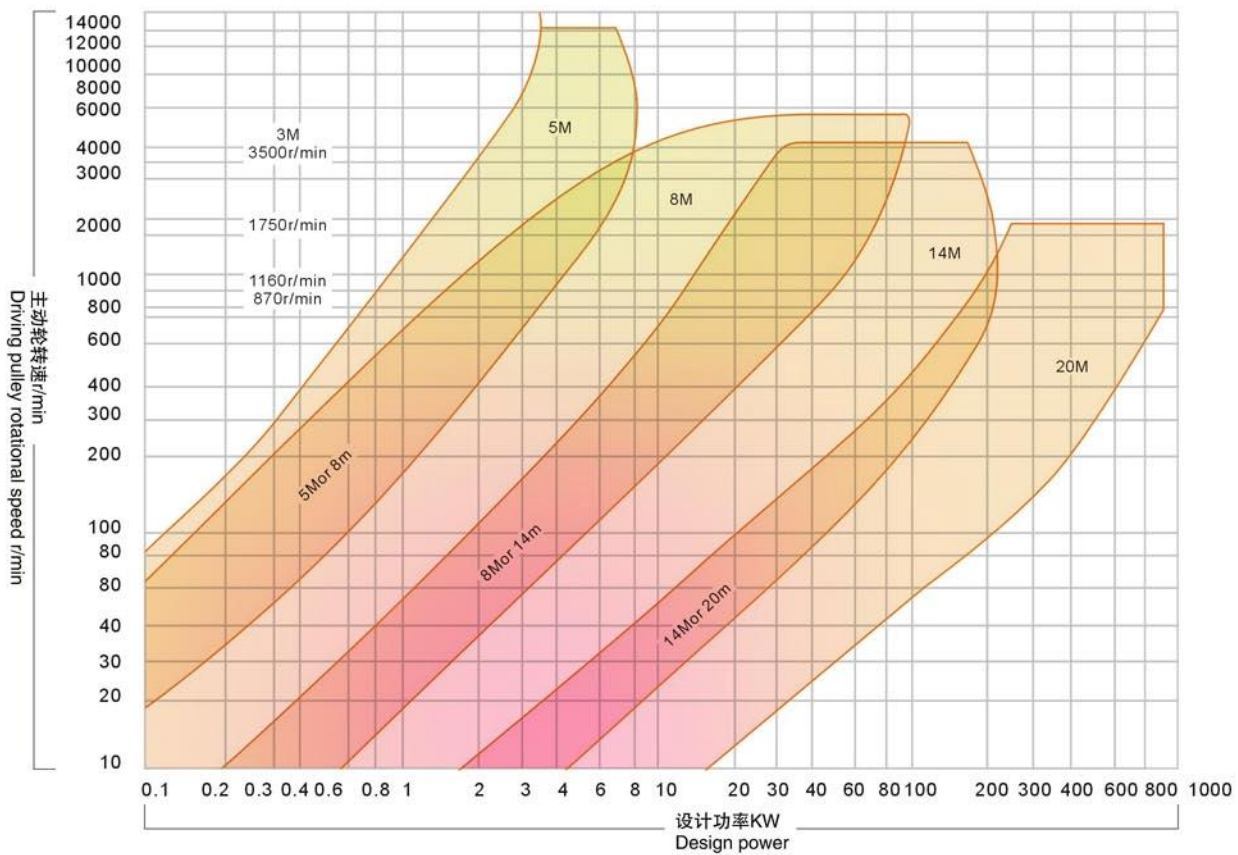
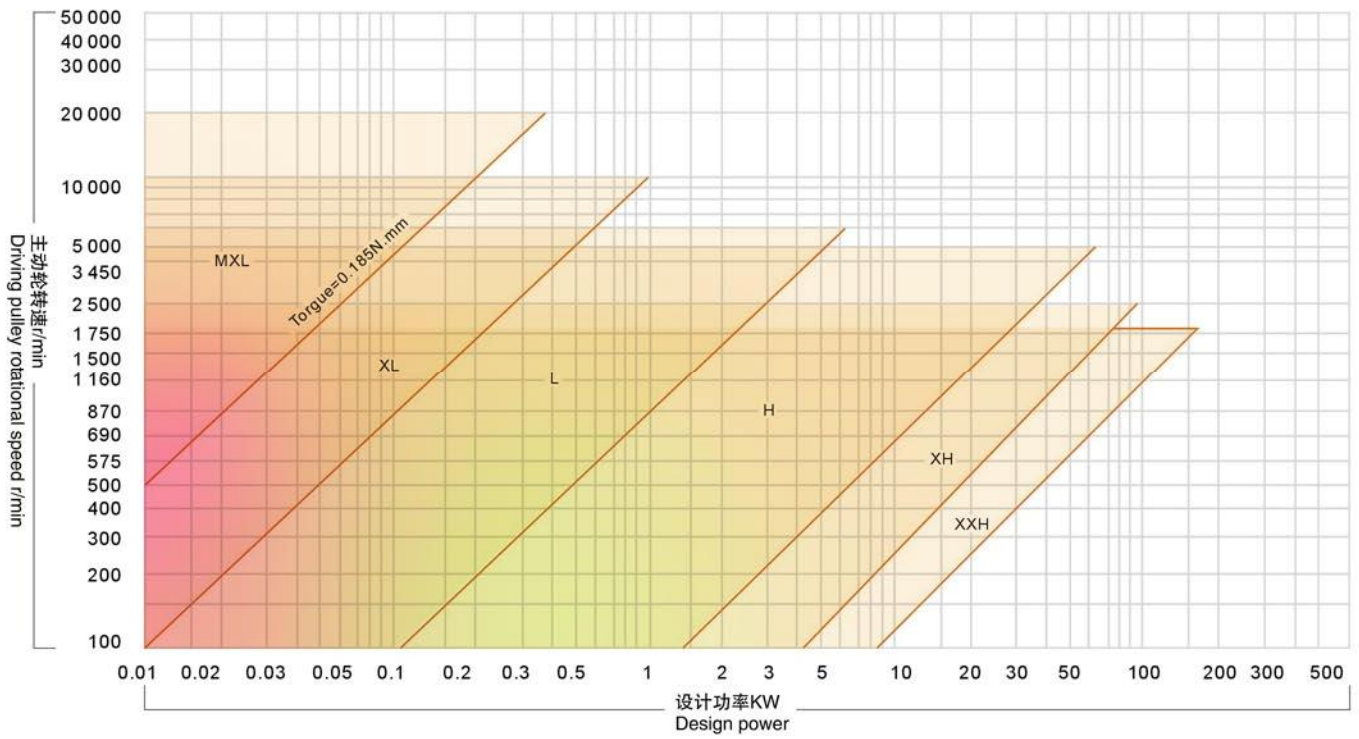
#### Recommended Standard Width Range of Timing Belt

| 型号<br>Type | 标准宽度(英寸)<br>Width(inch) | 型号<br>Type | 标准宽度(毫米)<br>Width(mm) | 型号<br>Type         | 标准宽度(毫米)<br>Width(mm)     |
|------------|-------------------------|------------|-----------------------|--------------------|---------------------------|
| MXL        | 012-019-025             | T5         | 6-10-16-25            | HTD3M/S3M/RPP3M    | 6-9-15                    |
| XL         | 025-031-037             | AT5        | 6-10-16-25            | HTD5M/S5M/RPP5M    | 9-15-25                   |
| L          | 050-075-100             | T10        | 16-25-32-50           | S4.5M              | 9-15-25-30                |
| H          | 075-100-150-200-300     | AT10       | 16-25-32-50           | HTD8M/S8M/RPP8M    | 20-30-50-85               |
| XH         | 200-300-400             | T20        | 32-50-75-100-150      | HTD14M/S14M/RPP14M | 40-55-85-115-170          |
| XXH        | 200-300-400-500         | AT20       | 32-50-75-100-150      | HTD20M             | 70-85-115-170-230-290-340 |



# 同步带选型参考

## Timing Belts Select Reference



## 几种常用的传动性能比较

## Compare Several Common's Power Transmission Property

| 性能<br>Property   | 同步带<br>Timing belts | 三角带<br>V belt | 平皮带<br>Flat belt | 链条<br>Chain   | 齿 轮<br>Gear   | 同步带传动具有性能的原因<br>Reason   |
|--|---------------------|---------------|------------------|---------------|---------------|--|
| 传动确定, 无滑移<br>Driving determined & no slip                              | 好<br>good           | 差<br>bad      | 差<br>bad         | 好<br>good     | 好<br>good     | 齿带与带轮啮合传动, 中心骨架保证节距不变, 传动不依靠摩擦。<br>Belt & pulley bite transmission the center cord proof the pitch transmission do not depend on friction. |
| 瞬时速均匀, 同步性好<br>Instantaneous speed uniform & good synchronous property | 好<br>good           | 差<br>bad      | 差<br>bad         | 差<br>bad      | 好<br>good     |  |
| 速比范围<br>Speed ratio range  | 大<br>large          | 大<br>large    | 中<br>medium      | 大<br>large    | 中<br>medium   |  |
| 允许线速度<br>Allowable linear speed  | 高<br>high           | 中<br>medium   | 中<br>medium      | 低<br>low      | 中<br>medium   | 质轻、带薄、柔软性好、抗张强度高<br>Light, thin, good snappy & high tensile energy   |
| 传动噪声<br>Transmission noise   | 小<br>small          | 小<br>small    | 小<br>small       | 大<br>large    | 中<br>medium   | 传动接触为橡胶与金属<br>Transmission contact is rubber & metal   |
| 功率/重量比值<br>Power/proportion by weight                                  | 大<br>large          | 中<br>medium   | 中<br>medium      | 小<br>small    | 中<br>medium   | 胶带薄而韧, 传动中心距短, 带轮直径小, 可用塑料及轻金属。<br>Belt thin & snappy short center distance, small diameter of pulley, can use plastics & light-metal.     |
| 传运功率<br>Transmission power   | 中<br>medium         | 中<br>medium   | 中<br>medium      | 中<br>medium   | 大<br>large    | 受橡胶及中心骨架层强度的限制<br>Depend on rubber center cord.  |
| 效率<br>Efficiency   | 98%~99.5%           | 85%~95%       | 85%~95%          | 96%~98%       | 98%~99%       | 滑动摩擦损失少<br>Can slip, little friction loss  |
| 初张紧力<br>Initial tension  | 小<br>small          | 大<br>large    | 大<br>large       | 小<br>small    | -             | 不依靠摩擦传动, 不需很大紧张力<br>Do not depend friction, do not need big tension  |
| 轴承压力<br>Bearing pressure   | 小<br>small          | 大<br>large    | 大<br>large       | 小<br>small    | 小<br>small    | 初张紧力小<br>Initial tension is small  |
| 突然超载及耐冲击性能<br>Abrupt over load & shock resistance                      | 中<br>medium         | 好<br>good     | 好<br>good        | 差<br>bad      | 中<br>medium   | 弹性体能吸收冲击<br>Elastomer sink impulse   |
| 低速时转矩大、不需润滑<br>Large torque of lower speed, without lubrication        | 好<br>good           | 好<br>good     | 好<br>good        | 差<br>bad      | 差<br>bad      | 传动接触为橡胶与金属<br>Transmission contact is rubber & metal   |
| 寿命<br>Life   | 长<br>long           | 长<br>long     | 长<br>long        | 中<br>medium   | 长<br>long     | 耐磨损<br>Abrasion durability   |
| 维修<br>Service  | 简便<br>easy          | 简便<br>easy    | 简便<br>easy       | 不方便<br>change | 不方便<br>change | 系标准件, 更换方便<br>Standard body, easy to change  |
| 防污秽和灰尘<br>Anti-fouling & dust  | 好<br>good           | 好<br>good     | 好<br>good        | 中<br>medium   | 差<br>bad      | 橡胶材料特点<br>Rubber material feature  |
| 安装误差对传动性能影响<br>Effect of installment error                             | 大<br>large          | 中<br>medium   | 小<br>small       | 中<br>medium   | 大<br>large    | 两轴平等度要求高, 必要时可装张紧轮调整<br>High requirement of two axes parallelism, can use tension pulley to adjust when needed.                            |

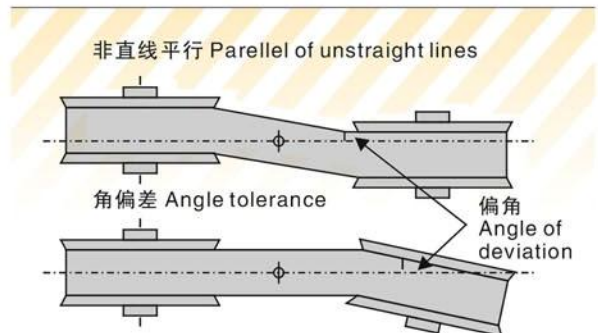
# 带传动的安装及维护

## The Installation and Maintenance of Belt Drive

### 一、带传动的正确安装

- (1) 关掉电源，卸下防护罩，旋松马达的装配螺栓。移动马达使皮带足够松弛，不需撬开就能取下皮带，千万不要把皮带撬下来。
- (2) 取下旧皮带，检查是否有异常磨损。过度的磨损可能就意味着传动装置的设计或保养上存在问题。
- (3) 选择合适的皮带替换。
- (4) 清洁皮带及皮带轮，应将抹布沾少许易挥发的液体擦拭，在清洁剂中浸泡或者使用清洁剂刷洗皮带均是不可取的。为除去油污及污垢，用砂纸擦或用尖锐的物体刮，显然也是不可取的。皮带在安装使用前必须保持干燥。
- (5) 检查皮带轮是否有异常磨损或裂纹，如果磨损过量，则必须更换带轮。
- (6) 检查带轮是否成直线对称。皮带轮成直线对称于传动带特别是同步皮带传动装置的运转是至关重要的。（见图1）
- (7) 检查其余的传动装置部件，如轴承和轴套的对称，耐用性及润滑情况等。
- (8) 在皮带轮上安装新的皮带，绝不要撬或用力过猛。
- (9) 调紧传动装置的中心距，直至张力测量仪测出皮带张力适当为止。用手转几圈主动轮，重测张力。
- (10) 拧紧马达的装置螺栓，纠正扭矩。由于传动装置在动作时任何变化都会导致皮带性能不良，故务必要确保所有传动装置部件均已拧紧。
- (11) 起动装置并观察皮带性能，察看是否有异常振动，细听是否有异常噪音。最好是关掉机器，检查轴承及马达的状况；若是摸上去觉得太热，可能是皮带太紧，或是轴承不对称，或润滑不正确。

图1 皮带轮不对称图示 / Non-symmetry pulleys



### 二、带和带轮的维护

- (1) 传动带不应折扭和急剧弯曲，同步带的最小弯曲直径见P32附表。
- (2) 在贮存和运输过程中，避免阳光直射、雨雪浸淋；防止与酸、卤、有机溶剂、水蒸气等影响产品性能的物质接触。
- (3) 常温下贮存，一般温度-20~50℃；并距热源至少一米以外。
- (4) 贮存期间要防止承受过大的重量而变形，不得折压堆放，不得将带直接放在地上，应将带悬挂在架子或平整地放在货架上。
- (5) 带轮成品应在干燥和通风的环境中贮存和运输，带轮成品应进行防锈处理。
- (6) 带传动应加防护罩，并保证通风和排污。

### The correct installation of belt

- (1) Switch off the power, remove the protective cap, loosen the assembly bolt. Move the motor to make the belt loose, you can take off the belt without prying, prying the belt off is not allowed.
- (2) Take off the old belt, then check if there is any abnormal wear and tear. Excessive wear and tear may indicate there are some problems with the design or maintenance.
- (3) Choose the proper belt for changing.
- (4) Clean the belt and the pulley, use a cloth with some liquid which can't volatilize easily to wipe. Soaking in the cleanser or brush the belt with cleanser are not good; use the sand paper or sharp subject to scratch are not Proper. The belt must be dry before using.
- (5) Check the pulley if there is any abnormal wear and tear or crack, if the wear and tear is excessive, the pulley must be Changed.
- (6) Check the pulley to see if it is symmetrical of straight line, this is very important for the performance of the transmission especially for timing belt drive.
- (7) Check the rest parts of the driving device, for example, the symmetry of the bearing and the bearing boot, durability and lubrication, etc.
- (8) When installing a new belt on the pulley, prying or using too much force is not allowed.
- (9) Adjust and tighten the central distance of the driving device, until the tension is puoper measured by the tension gauge. Use hand to roate the driving pulley for several rounds and measures the tension again.
- (10) Tighten the assembly bolt of the motor, correct the torque, because any change of the central distance will cause the bad property of the belt. Please ensure the driving device ate all tightened.
- (11) Switch on the power and observe the property of the belt if there is any unusual vibration, listen carefully to see if there are any unusual noises. If yes you'd better turn off the machine, then check the condition of bearing and motor, if the temperature is very high, maybe because the belt is too tight or the bearing is not symmetrical, or the lubrication is not correct.

### The maintance of belt and pulley

- (1) The belt can't be crimped and bend sharply, the minimum bending diameter see the figure in P32.
- (2) During the process of the storage and transportation, keep the belt and the pulley out of direct sunlight, not get wet form rain and snow, prevent it from touching the acid, alkali, organic solvent and steam etc, which can influence property of the belt.
- (3) Storage under the usual temperature, form-20~50℃, and keep it away from heat source at lest 1 meter.
- (4) During the storage, it can't be piled up, for the weight might cause the change of the shape, and it can't be placed on the ground Directly, it should be hanged on the shelf or put on the shelf.
- (5) The finished pulley should be stored ;and transported under a dry and ventilated environment, and the anti-rust processing is also needed.
- (6) The belt driving device should have a protective cap, and the discharge of the pollution and ventilation must be assured.

## 同步带失效的原因及纠正措施

## The Reasons and Corrective Measure of Belt Failure

| 失效模式<br>The mode of failure                                     | 原因<br>Reasons  |  |
|---|--|--|
| 带断裂<br>Belt crack   | <ol style="list-style-type: none"> <li>1、过载；</li> <li>2、从动轮惯性过大；</li> <li>3、带轮直径过小；</li> <li>4、预紧力过大；</li> <li>5、带折扭，操作不良；</li> <li>6、过大的冲击载荷；</li> <li>7、带爬上挡圈；</li> <li>8、碎片或外来物体落入传动装置内。</li> </ol> | <ol style="list-style-type: none"> <li>1、Overload</li> <li>2、The inertia of the driving pulley is too much.</li> <li>3、The diameter of the pulley is too small.</li> <li>4、The initial tension is too much.</li> <li>5、Folding and twisting of the belt for improper operation.</li> <li>6、The shock load is too much.</li> <li>7、The belt climbs to the protective ring.</li> <li>8、Broken pieces or other matters fall into the driving device.</li> </ol>   |
| 带边过度磨损<br>Excessive wear and tear of the belt sides             | <ol style="list-style-type: none"> <li>1、带轮不平行；</li> <li>2、轴承部位，刚度不够；</li> <li>3、挡圈弯曲；</li> <li>4、挡圈表面粗糙；</li> <li>5、带碰触传动装置的防护挡板或支架。</li> </ol>   | <ol style="list-style-type: none"> <li>1、Pulleys are not parallel.</li> <li>2、The rigidity of the bear is not enough.</li> <li>3、The protective ring is out of shape.</li> <li>4、The rough surface of the protective ring.</li> <li>5、The belt touches the protective fender or stand of the gear.</li> </ol>  |
| 带齿过度磨损<br>Excessive wear and tear of the belt teeth             | <ol style="list-style-type: none"> <li>1、过载；</li> <li>2、预紧力过大；</li> <li>3、轮齿表面粗糙；</li> <li>4、带轮严重径向跳动；</li> <li>5、粉尘沙粒；</li> <li>6、剧烈振动；</li> <li>7、过多污物落入传动装置内。</li> </ol>                            | <ol style="list-style-type: none"> <li>1、Overload.</li> <li>2、Too much initial tension.</li> <li>3、The rough surface of the groove.</li> <li>4、Severe vertical jump of the pulley.</li> <li>5、Dust or pieces of sand.</li> <li>6、Violent vibration.</li> <li>7、Too much pollutant fall into the groove.</li> </ol>   |
| 带齿剪断<br>Teeth cutting   | <ol style="list-style-type: none"> <li>1、过载或过大冲击载荷；</li> <li>2、啮合齿数不够，小于6个齿啮合或带齿数是轮齿数的倍数；</li> <li>3、预紧力过小；</li> <li>4、带轮直径过小；</li> <li>5、环境温度过高或油等其它杂物混入；</li> <li>6、受到意外事故停转，负荷突然增大。</li> </ol>      | <ol style="list-style-type: none"> <li>1、Overload or the shock load is too much.</li> <li>2、The meshing teeth are not enough, less than 6 meshing teeth or the numbers of belt teeth is the multiple of the pulley teeth.</li> <li>3、The initial tension is not enough.</li> <li>4、The diameter of the pulley is too small.</li> <li>5、The environmental temperature is too high or oil and other things get in.</li> <li>6、It shut down because of unexpected accident. The load enlarge suddenly.</li> </ol> |
| 带纵裂<br>Vertical crack of belt                                   | <ol style="list-style-type: none"> <li>1、带跑出带轮；</li> <li>2、带跑偏到挡圈上；</li> <li>3、安装时带切在挡圈上。</li> </ol>   | <ol style="list-style-type: none"> <li>1、Belt runs out of the pulley.</li> <li>2、Belt runs to the protective ring.</li> <li>3、When installing, the belt set on the protective ring.</li> </ol>   |
| 带伸长<br>Belt stretch   | <ol style="list-style-type: none"> <li>1、轴承未可靠固定，运行时中心距变小；</li> <li>2、带抗拉层松动；</li> <li>3、张紧轮松动；</li> <li>4、带轮磨损；</li> <li>5、过载。</li> </ol>   | <ol style="list-style-type: none"> <li>1、The bear is not fixed well, then the central distance reduced when it works.</li> <li>2、The tensile members are loose.</li> <li>3、The tensioning pulley gets loose.</li> <li>4、Pulley wears.</li> <li>5、Overload.</li> </ol>  |
| 带背面裂纹或带变软<br>Crack of the belt back or of the belt becomes soft | <ol style="list-style-type: none"> <li>1、环境温度过高。</li> </ol>  | <ol style="list-style-type: none"> <li>1、The environmental temperature is too high</li> </ol>  |
| 运行噪音过大<br>Too much running noise                                | <ol style="list-style-type: none"> <li>1、过载；</li> <li>2、预紧力过大；</li> <li>3、带轮不平行；</li> <li>4、带直径比带宽小；</li> <li>5、带带轮啮合不良。</li> </ol>  | <ol style="list-style-type: none"> <li>1、Overload.</li> <li>2、The initial tension is too high.</li> <li>3、The pulleys are not parallel.</li> <li>4、The diameter of the pulley is less than the belt width.</li> <li>5、Belt can not mesh well with the belt teeth.</li> </ol>   |

| 纠正措施<br>Corrective measures   |  |   |
|---|--|---|
| 1、检查设计，选择正确带宽；<br>2、选择正确的带轮；<br>3、重新设计传动啮合齿数；<br>4、调整合适的预紧力；<br>5、储存运输安装细心操作；<br>6、防止意外故障，变更设计；<br>7、调整轴平等度，检查挡圈；<br>8、清理污物和检查防护挡板。 |  | 1、 Check the design, choose the correct belt width.<br>2、 Choose the correct pulley<br>3、 Redesign numbers of the meshing teeth.<br>4、 Adjust the proper initial tension.<br>5、 Careful operation when storing and transporting.<br>6、 Prevent unexpected accident from happening, change the design.<br>7、 Adjust the parallelism of the axis, check the protective ring.<br>8、 Clean the pollutant and check the protective fender. |
| 1、调整平行度；<br>2、增加刚度，确实固定；<br>3、修正或更换挡圈；<br>4、修正或更换挡圈；<br>5、检查防护挡板或支架。  |  | 1、 Adjust the parallelism.<br>2、 Strengthen the rigidity and make it fixed.<br>3、 Correct or change the protective ring.<br>4、 Correct or change the protective ring.<br>5、 Check the protective fender or stand.   |
| 1、检查设计，选择正确带宽；<br>2、调整合适的预紧力；<br>3、检查、调整表面粗糙度；<br>4、检查、调整径向圆跳动；<br>5、避免杂物混入；<br>6、调整结构或使用减振装置；<br>7、清理污物。                           |  | 1、 Check the design, choose the proper belt width.<br>2、 Adjust to proper initial tension.<br>3、 Check and adjust the roughness of the groove's surface.<br>4、 Check and adjust the vertical jump.<br>5、 Avoid other things enter.<br>6、 Adjust the structure or use devices to reduce the vibration.<br>7、 Clear pollutant.  |
| 1、检查设计；<br>2、检查设计，使带齿数为奇数；<br>3、调整预紧力；<br>4、增大带轮直径；<br>5、改变环境温度，使用防护罩；<br>6、检查设备，防止再次发生意外事故。  |  | 1、 Check the design.<br>2、 Check the design, and make the number of the teeth be an odd.<br>3、 Adjust the initial tension.<br>4、 Enlarge the diameter of the pulley.<br>5、 Change the environment temperature and use a protective cap.<br>6、 Check the devices, prevent the accident from happening.   |
| 1、调整平行度；<br>2、调整平行度，检查挡圈；<br>3、安装时注意。   |  | 1、 Adjust the parallelism.<br>2、 Adjust the parallelism and check the protective ring.<br>3、 Careful installation   |
| 1、安装时注意事项或设计时改进结构；<br>2、更换带；<br>3、检查张紧轮，安装时注意；<br>4、更换带轮；<br>5、检查设计，改变带宽。   |  | 1、 Careful installation or improve the structure when designing.<br>2、 Change the belt.<br>3、 Check the tensioning pulley careful when installation.<br>4、 Change the pulley.<br>5、 Check the design, change the belt width.  |
| 1、改变环境温度。   |  | 1、 Change the environmental temperature   |
| 1、检查设计；<br>2、调整预紧力；<br>3、调整平行度，安装时校准；<br>4、检查设计；<br>5、检查带和带轮。   |  | 1、 Change the design.<br>2、 Adjust the initial tension.<br>3、 Adjust the parallelism, make it accurate when installing.<br>4、 Check the design.<br>5、 Check the belt and pulley.  |





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