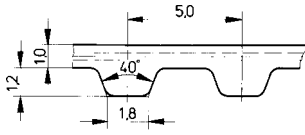
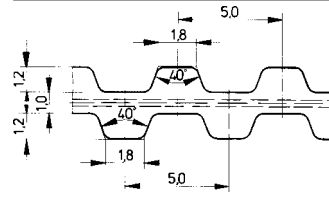


**T5 BELTS**
**SS SINGLE SIDED**

**DL DOUBLE SIDED**

**AVAILABILITY**


| TYPE<br>profile/length | No. of<br>teeth Z | SYNCHROFLEX |    | BRECO M / V |    | BRECOFLEX |    |
|------------------------|-------------------|-------------|----|-------------|----|-----------|----|
|                        |                   | SS          | DL | SS          | DL | SS        | DL |
| T5 / 100               | 20                | ●           |    |             |    |           |    |
| T5 / 150               | 30                | ●           | ●  |             |    |           |    |
| T5 / 165               | 33                | ●           |    |             |    |           |    |
| T5 / 180               | 36                | ●           |    |             |    |           |    |
| T5 / 185               | 37                | ●           |    |             |    |           |    |
| T5 / 200               | 40                | ●           |    |             |    | ■         |    |
| T5 / 210               | 42                | ●           |    |             |    | ■         |    |
| T5 / 215               | 43                | ●           |    |             |    | ■         |    |
| T5 / 220               | 44                | ●           |    |             |    | ■         |    |
| T5 / 225               | 45                | ●           |    |             |    | ■         |    |
| T5 / 240               | 48                | ●           |    |             |    | ■         |    |
| T5 / 245               | 49                | ●           |    |             |    | ■         |    |
| T5 / 250               | 50                | ●           |    |             |    | ■         |    |
| T5 / 255               | 51                | ●           |    |             |    | ■         |    |
| T5 / 260               | 52                | ●           | ●  |             |    | ■         |    |
| T5 / 270               | 54                | ●           |    |             |    | ■         |    |
| T5 / 280               | 56                | ●           |    |             |    | ■         |    |
| T5 / 295               | 59                | ●           |    |             |    | ■         |    |
| T5 / 300               | 60                | ●           | ●  |             |    | ■         |    |
| T5 / 305               | 61                | ●           |    |             |    | ■         |    |
| T5 / 330               | 66                | ●           |    |             |    | ■         |    |
| T5 / 340               | 68                | ●           |    |             |    | ■         |    |
| T5 / 355               | 71                | ●           |    |             |    | ■         |    |
| T5 / 365               | 73                | ●           |    |             |    | ■         |    |
| T5 / 370               | 74                | ●           |    |             |    | ■         |    |
| T5 / 390               | 78                | ●           |    |             |    | ■         |    |
| T5 / 400               | 80                | ●           |    |             |    | ■         |    |
| T5 / 410               | 82                | ●           | ●  |             |    | ■         |    |
| T5 / 420               | 84                | ●           |    |             |    | ■         |    |
| T5 / 435               | 87                | ●           |    |             |    | ■         |    |
| T5 / 455               | 91                | ●           |    |             |    | ■         |    |
| T5 / 460               | 92                | ●           | ●  |             |    | ■         |    |
| T5 / 480               | 96                | ●           |    |             |    | ■         |    |
| T5 / 500               | 100               | ●           |    |             |    | ■         |    |
| T5 / 505               | 101               | ●           |    |             |    | ■         |    |
| T5 / 510               | 102               | ●           |    |             |    | ■         |    |
| T5 / 515               | 103               | ●           | ●  |             |    | ■         |    |
| T5 / 525               | 105               | ●           | ●  |             |    | ■         |    |
| T5 / 545               | 109               | ●           |    |             |    | ■         |    |
| T5 / 550               | 110               | ●           |    |             |    | ■         |    |
| T5 / 560               | 112               | ●           |    |             |    | ■         |    |
| T5 / 575               | 115               | ●           |    |             |    | ■         |    |
| T5 / 590               | 118               | ●           | ●  |             |    | ■         |    |
| T5 / 610               | 122               | ●           |    |             |    | ■         |    |
| T5 / 620               | 124               | ●           | ●  |             |    | ■         |    |
| T5 / 625               | 125               | ●           | ●  |             |    | ■         |    |
| T5 / 630               | 126               | ●           |    |             |    | ■         |    |
| T5 / 650               | 130               | ●           |    |             |    | ■         |    |
| T5 / 660               | 132               | ●           |    |             |    | ■         |    |
| T5 / 690               | 138               | ●           |    |             |    | ■         |    |
| T5 / 700               | 140               | ●           |    |             |    | ■         |    |
| T5 / 720               | 144               | ●           |    |             |    | ■         |    |
| T5 / 725               | 145               | ●           |    |             |    | ■         |    |

Any joined length available in pitch multiples from 500mm.  
Minimum quantities apply to belts of 6, 8, 10, 12 or 16mm width

Min. length 650mm  
Min. qty. as per SS

**TECHNICAL DATA SUMMARY**

Potential capacity ..... 5 kW  
 Maximum speed ..... 40000 rpm  
 Maximum linear speed ..... 80 m/s  
 Allowable tensile load  $F_{zul}$  ..... 350N / 10mm of belt width  
 Weight per metre ..... 0.024 kg / 10mm of belt width  
 Full technical data ..... see page 113

**STANDARD BELT AND PULLEY WIDTHS**

| Standard belt widths b   | 6  | 10 | 12 | 16 | 20 | 25 | 32 | 50 | 75 |
|--------------------------|----|----|----|----|----|----|----|----|----|
| Pulley face width B      | 11 | 15 | 17 | 21 | 25 | 30 | 37 | 55 | 80 |
| Stock pulley width $B_N$ |    | 21 |    | 27 |    | 36 |    |    |    |

| TYPE<br>profile/length | No. of<br>teeth Z | SYNCHROFLEX |    | BRECO M / V |    | BRECOFLEX |    |
|------------------------|-------------------|-------------|----|-------------|----|-----------|----|
|                        |                   | SS          | DL | SS          | DL | SS        | DL |
| T5 / 750               | 150               | ●           | ●  |             |    | ■         |    |
| T5 / 755               | 151               |             |    |             |    | ■         |    |
| T5 / 765               | 153               | ●           |    |             |    | ■         |    |
| T5 / 780               | 156               | ●           |    |             |    | ■         |    |
| T5 / 800               | 160               | ●           |    |             |    | ■         |    |
| T5 / 815               | 163               | ●           | ●  |             |    | ■         |    |
| T5 / 840               | 168               | ●           |    |             |    | ■         |    |
| T5 / 860               | 172               |             | ●  |             |    |           |    |
| T5 / 900               | 180               | ●           |    |             |    | ■         |    |
| T5 / 920               | 184               | ●           |    |             |    |           |    |
| T5 / 925               | 185               | ●           |    |             |    |           |    |
| T5 / 940               | 188               | ●           | ●  |             |    |           |    |
| T5 / 945               | 189               |             |    |             |    | ■         |    |
| T5 / 990               | 198               | ●           |    |             |    | ■         |    |
| T5 / 1040              | 208               |             |    |             |    | ■         |    |
| T5 / 1075              | 215               | ●           |    |             |    | ■         | ■* |
| T5 / 1100              | 220               | ●           | ●  |             |    | ■         | ■* |
| T5 / 1160              | 232               | ●           |    |             |    | ■         |    |
| T5 / 1215              | 243               | ●           |    |             |    | ■         |    |
| T5 / 1315              | 263               | ●           |    |             |    | ■         |    |
| T5 / 1325              | 265               |             | ●  |             |    |           |    |
| T5 / 1380              | 276               | ●           |    |             |    | ■         | ■  |
| T5 / 1400              | 280               |             |    |             |    | ■         | ■  |
| T5 / 1500              | 300               | ●           |    |             |    | ■         | ■  |
| T5 / 1600              | 320               |             |    |             |    | ■         | ■  |
| T5 / 1700              | 340               |             |    |             |    | ■         | ■  |
| T5 / 1800              | 360               |             |    |             |    | ■         | ■  |
| T5 / 1900              | 380               |             |    |             |    | ■         | ■  |
| T5 / 2000              | 400               |             |    |             |    | ■         | ■  |
| T5 / 2120              | 424               |             |    |             |    | ■         | ■  |
| T5 / 2240              | 448               |             |    |             |    | ■         | ■  |
| T5 / 2360              | 472               |             |    |             |    | ■         | ■  |
| T5 / 2500              | 500               |             |    |             |    | ■         | ■  |
| T5 / 2650              | 530               |             |    |             |    | ■         | ■  |
| T5 / 2800              | 560               |             |    |             |    | ■         | ■  |
| T5 / 3000              | 600               |             |    |             |    | ■         | ■  |
| T5 / 3150              | 630               |             |    |             |    | ■         | ■  |
| T5 / 3350              | 670               |             |    |             |    | ■         | ■  |
| T5 / 3550              | 710               |             |    |             |    | ■         | ■  |
| T5 / 3750              | 750               |             |    |             |    | ■         | ■  |
| T5 / 4000              | 800               |             |    |             |    | ■         | ■  |
| T5 / 4250              | 850               |             |    |             |    | ■         | ■  |
| T5 / 4500              | 900               |             |    |             |    | ■         | ■  |
| T5 / 4750              | 950               |             |    |             |    | ■         | ■  |
| T5 / 5000              | 1000              |             |    |             |    | ■         | ■  |
| T5 / 5300              | 1060              |             |    |             |    | ■         | ■  |
| T5 / 5600              | 1120              |             |    |             |    | ■         | ■  |
| T5 / 6000              | 1200              |             |    |             |    | ■         | ■  |
| T5 / 6300              | 1260              |             |    |             |    | ■         | ■  |
| T5 / 6700              | 1340              |             |    |             |    | ■         | ■  |
| T5 / 7100              | 1420              |             |    |             |    | ■         | ■  |
| T5 / 7500              | 1500              |             |    |             |    | ■         | ■  |

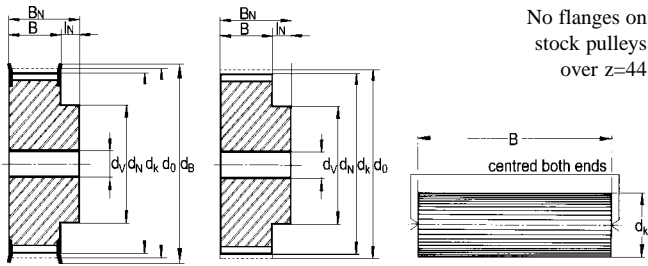
**FLEX=endless, M=open length, V=joined**

- Standard belt length, normally held in stock
- Standard belt length, only available to special order.
- \* Intermediate lengths available between 1050-15000mm, only available to special order. Min. quantity will apply.

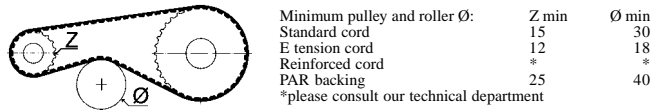
**BELT ORDER CODE EXAMPLE**

| Width | Profile / length | Specification |
|-------|------------------|---------------|
| 10    | T5 / 455         | Synchroflex   |
| 25    | T5 / 1600        | Brecoflex     |

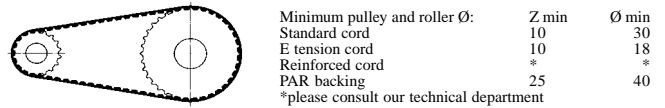
**PULLEY & BAR DIMENSIONS**



**REVERSE BENDING**



**NORMAL USE**



| Pulley width B <sub>N</sub> |     |    | Z no. teeth | d <sub>0</sub> (mm) | d <sub>k</sub> (mm) | d <sub>B</sub> * (mm) | d <sub>N</sub> (mm) | bore size |                |
|-----------------------------|-----|----|-------------|---------------------|---------------------|-----------------------|---------------------|-----------|----------------|
| 21                          | 27  | 36 |             |                     |                     |                       |                     | Bar       | d <sub>v</sub> |
| ● ● ●                       | 125 | 10 | 15.92       | 15.05               | 20                  | 8                     | -                   | 6         |                |
| ● ● ●                       | 125 | 11 | 17.51       | 16.65               | 22                  |                       |                     | 6         |                |
| ● ● ●                       | 125 | 12 | 19.10       | 18.25               | 23                  | 12†                   | -                   | 6         |                |
| ● ● ●                       | 125 | 13 | 20.69       | 19.85               | 25                  |                       |                     | 8         |                |
| ● ● ●                       | 132 | 14 | 22.28       | 21.45               | 26                  | 14                    | -                   | 8         |                |
| ● ● ●                       | 132 | 15 | 23.87       | 23.05               | 28                  | 16                    | 6                   | 10        |                |
| ● ● ●                       | 140 | 16 | 25.46       | 24.60               | 30                  | 18                    | 6                   | 12        |                |
| ● ● ●                       | 140 | 17 | 27.06       | 26.20               | 31                  |                       |                     | 14        |                |
| ● ● ●                       | 140 | 18 | 28.65       | 27.80               | 33                  | 20                    | 6                   | 16        |                |
| ● ● ●                       | 140 | 19 | 30.24       | 29.40               | 34                  | 22                    | 6                   | 16        |                |
| ● ● ●                       | 140 | 20 | 31.83       | 31.00               | 36                  | 24†                   | 6                   | 18        |                |
| ● ● ●                       | 160 | 21 | 33.42       | 32.60               | 37                  |                       |                     | 20        |                |
| ● ● ●                       | 160 | 22 | 35.01       | 34.15               | 39                  | 24                    | 6                   | 22        |                |
| ● ● ●                       | 160 | 23 | 36.61       | 35.75               | 40                  |                       |                     | 24        |                |
| ● ● ●                       | 160 | 24 | 38.20       | 37.35               | 42                  | 26                    | 6                   | 24        |                |
| ● ● ●                       | 160 | 25 | 39.79       | 38.95               | 43                  | 26                    | 6                   | 25        |                |
| ● ● ●                       | 160 | 26 | 41.38       | 40.55               | 45                  | 26                    | 6                   | 25        |                |
| ● ● ●                       | 160 | 27 | 42.97       | 42.15               | 47                  | 30                    | 8                   | 27        |                |
| ● ● ●                       | 160 | 28 | 44.56       | 43.75               | 48                  | 32                    | 8                   | 29        |                |
| ● ● ●                       | 160 | 29 | 46.15       | 45.30               | 50                  |                       |                     | 31        |                |
| ● ● ●                       | 160 | 30 | 47.75       | 46.90               | 51                  | 34                    | 8                   | 33        |                |
| ● ● ●                       | 160 | 31 | 49.34       | 48.50               | 53                  |                       |                     | 35        |                |
| ● ● ●                       | 160 | 32 | 50.93       | 50.10               | 55                  | 38                    | 8                   | 37        |                |
| ● ● ●                       | 160 | 33 | 52.52       | 51.70               | 56                  |                       |                     | 39        |                |
| ● ● ●                       | 160 | 34 | 54.11       | 53.30               | 58                  |                       |                     | 39        |                |
| ● ● ●                       | 160 | 35 | 55.70       | 54.85               | 59                  |                       |                     | 40        |                |
| ● ● ●                       | 160 | 36 | 57.30       | 56.45               | 61                  | 38                    | 8                   | 42        |                |
| ● ● ●                       | 160 | 37 | 58.89       | 58.05               | 62                  |                       |                     | 43        |                |
| ● ● ●                       | 160 | 38 | 60.48       | 59.65               | 64                  |                       |                     | 45        |                |
| ● ● ●                       | 160 | 39 | 62.07       | 61.25               | 66                  |                       |                     | 45        |                |
| ● ● ●                       | 160 | 40 | 63.66       | 62.85               | 67                  | 40                    | 8                   | 47        |                |
| ● ● ●                       | 160 | 41 | 65.25       | 64.40               | 69                  |                       |                     | 48        |                |
| ● ● ●                       | 160 | 42 | 66.85       | 66.00               | 70                  | 40                    | 8                   | 50        |                |
| ● ● ●                       | 160 | 43 | 68.44       | 67.60               | 72                  |                       |                     | 52        |                |
| ● ● ●                       | 160 | 44 | 70.03       | 69.20               | 74                  | 45                    | 8                   | 52        |                |
| ● ● ●                       | 160 | 45 | 71.62       | 70.80               | 75                  |                       |                     | 54        |                |
| ● ● ●                       | 160 | 46 | 73.21       | 72.40               | 77                  |                       |                     | 56        |                |
| ● ● ●                       | 160 | 47 | 74.80       | 73.95               | 78                  |                       |                     | 58        |                |
| ● ● ●                       | 160 | 48 | 76.39       | 75.55               | 80                  | 50                    | 8                   | 60        |                |
| ● ● ●                       | 160 | 49 | 77.99       | 77.15               | 82                  |                       |                     | 60        |                |
| ● ● ●                       | 160 | 50 | 79.58       | 78.75               | 83                  |                       |                     | 60        |                |
| ● ● ●                       | 160 | 51 | 81.17       | 80.35               | 85                  |                       |                     | 62        |                |
| ● ● ●                       | 160 | 52 | 82.76       | 81.95               | 86                  |                       |                     | 64        |                |
| ● ● ●                       | 160 | 53 | 84.35       | 83.55               | 88                  |                       |                     | 66        |                |
| ● ● ●                       | 160 | 54 | 85.94       | 85.10               | 90                  |                       |                     | 66        |                |
| ● ● ●                       | 160 | 55 | 87.54       | 86.70               | 91                  |                       |                     | 68        |                |
| ● ● ●                       | 160 | 56 | 89.13       | 88.30               | 93                  |                       |                     | 70        |                |
| ● ● ●                       | 160 | 57 | 90.72       | 89.90               | 94                  |                       |                     | 72        |                |
| ● ● ●                       | 160 | 58 | 92.31       | 91.50               | 96                  |                       |                     | 74        |                |

| Pulley width B <sub>N</sub> |     |     | Z no. teeth | d <sub>0</sub> (mm) | d <sub>k</sub> (mm) | d <sub>B</sub> * (mm) | d <sub>N</sub> (mm) | bore size |                |
|-----------------------------|-----|-----|-------------|---------------------|---------------------|-----------------------|---------------------|-----------|----------------|
| 21                          | 27  | 36  |             |                     |                     |                       |                     | Bar       | d <sub>v</sub> |
| ● ● ●                       | 160 | 59  | 93.90       | 93.10               | 97                  |                       |                     | 74        |                |
| ● ● ●                       | 160 | 60  | 95.49       | 94.65               | 99                  | 65                    | 8                   | 76        |                |
| ● ● ●                       | 160 | 61  | 97.08       | 96.25               | 101                 |                       |                     | 79        |                |
| ● ● ●                       | 160 | 62  | 98.68       | 97.85               | 102                 |                       |                     | 80        |                |
| ● ● ●                       | 160 | 63  | 100.27      | 99.45               | 104                 |                       |                     | 82        |                |
| ● ● ●                       | 160 | 64  | 101.86      | 101.05              | 105                 |                       |                     | 82        |                |
| ● ● ●                       | 160 | 65  | 103.45      | 102.65              | 107                 |                       |                     | 84        |                |
| ● ● ●                       | 160 | 66  | 105.04      | 104.20              | 109                 |                       |                     | 86        |                |
| ● ● ●                       | 160 | 67  | 106.63      | 105.80              | 110                 |                       |                     | 88        |                |
| ● ● ●                       | 160 | 68  | 108.23      | 107.40              | 112                 |                       |                     | 90        |                |
| ● ● ●                       | 160 | 69  | 109.82      | 109.00              | 113                 |                       |                     | 90        |                |
| ● ● ●                       | 160 | 70  | 111.41      | 110.60              | 115                 |                       |                     | 90        |                |
| ● ● ●                       | 160 | 71  | 113.00      | 112.20              | 117                 |                       |                     | 92        |                |
| ● ● ●                       | 160 | 72  | 114.59      | 113.75              | 118                 |                       |                     | 94        |                |
| ● ● ●                       | 160 | 73  | 116.18      | 115.35              | 120                 |                       |                     | 96        |                |
| ● ● ●                       | 160 | 74  | 117.77      | 116.95              | 121                 |                       |                     | 96        |                |
| ● ● ●                       | 160 | 75  | 119.37      | 118.55              | 123                 |                       |                     | 98        |                |
| ● ● ●                       | 160 | 76  | 120.96      | 120.15              | 125                 |                       |                     | 100       |                |
| ● ● ●                       | 160 | 77  | 122.55      | 121.75              | 126                 |                       |                     | 102       |                |
| ● ● ●                       | 160 | 78  | 124.14      | 123.35              | 128                 |                       |                     | 104       |                |
| ● ● ●                       | 160 | 79  | 125.73      | 124.90              | 129                 |                       |                     | 104       |                |
| ● ● ●                       | 160 | 80  | 127.32      | 126.50              | 131                 |                       |                     | 106       |                |
| ● ● ●                       | 160 | 81  | 128.92      | 128.10              | 133                 |                       |                     | 108       |                |
| ● ● ●                       | 160 | 82  | 130.51      | 129.70              | 134                 |                       |                     | 110       |                |
| ● ● ●                       | 160 | 83  | 132.10      | 131.30              | 136                 |                       |                     | 110       |                |
| ● ● ●                       | 160 | 84  | 133.69      | 132.90              | 137                 |                       |                     | 112       |                |
| ● ● ●                       | 160 | 85  | 135.28      | 134.45              | 139                 |                       |                     | 114       |                |
| ● ● ●                       | 160 | 86  | 136.87      | 136.05              | 140                 |                       |                     | 116       |                |
| ● ● ●                       | 160 | 87  | 138.46      | 137.65              | 142                 |                       |                     | 119       |                |
| ● ● ●                       | 160 | 88  | 140.06      | 139.25              | 144                 |                       |                     | 119       |                |
| ● ● ●                       | 160 | 89  | 141.65      | 140.85              | 145                 |                       |                     | 120       |                |
| ● ● ●                       | 160 | 90  | 143.24      | 142.45              | 147                 |                       |                     | 120       |                |
| ● ● ●                       | 160 | 91  | 144.83      | 144.00              | 148                 |                       |                     | 122       |                |
| ● ● ●                       | 160 | 92  | 146.42      | 145.60              | 150                 |                       |                     | 124       |                |
| ● ● ●                       | 160 | 93  | 148.01      | 147.20              | 152                 |                       |                     | 126       |                |
| ● ● ●                       | 160 | 94  | 149.61      | 148.80              | 153                 |                       |                     | 126       |                |
| ● ● ●                       | 160 | 95  | 151.20      | 150.40              | 155                 |                       |                     | 129       |                |
| ● ● ●                       | 160 | 96  | 152.79      | 152.00              | 156                 |                       |                     | 130       |                |
| ● ● ●                       | 160 | 97  | 154.38      | 153.55              | 158                 |                       |                     | 130       |                |
| ● ● ●                       | 160 | 98  | 155.97      | 155.15              | 160                 |                       |                     | 132       |                |
| ● ● ●                       | 160 | 99  | 157.56      | 156.75              | 161                 |                       |                     | 132       |                |
| ● ● ●                       | 160 | 100 | 159.15      | 158.35              | 163                 |                       |                     | 134       |                |
| ● ● ●                       | 160 | 101 | 160.75      | 159.95              | 164                 |                       |                     | 136       |                |
| ● ● ●                       | 160 | 102 | 162.34      | 161.55              | 166                 |                       |                     | 139       |                |
| ● ● ●                       | 160 | 103 | 163.93      | 163.15              | 168                 |                       |                     | 140       |                |
| ● ● ●                       | 160 | 104 | 165.52      | 164.70              | 169                 |                       |                     | 140       |                |
| ● ● ●                       | 160 | 105 | 167.11      | 166.30              | 171                 |                       |                     | 140       |                |
| ● ● ●                       | 160 | 106 | 168.70      | 167.90              | 172                 |                       |                     | 142       |                |
| ● ● ●                       | 160 | 107 | 170.30      | 169.50              | 174                 |                       |                     | 146       |                |

● Available from stock in Aluminium. Preferred sizes shaded red.  
 Non stock sizes available to order (see page 86)

**STOCK PULLEY ORDER CODE EXAMPLE**

| Mat'l | Width B <sub>N</sub> | Type / no. teeth | No of. flanges | Special instructions |
|-------|----------------------|------------------|----------------|----------------------|
| AL    | 27                   | T5 / 48          | -0             |                      |

d<sub>0</sub> = Pitch circle diameter  
 d<sub>k</sub> = Outside diameter  
 d<sub>N</sub> = Hub diameter († variable)  
 d<sub>v</sub> / d<sub>max</sub> = Stock pulley bore diameter / max. bore  
 d<sub>B</sub> = Flange diameter (\*approximate)