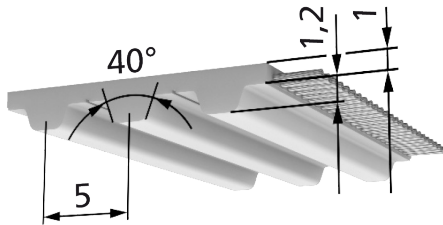
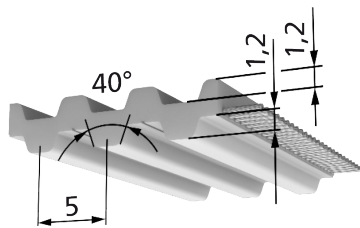


Standard



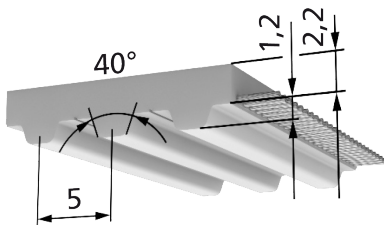
T5

Double-sided



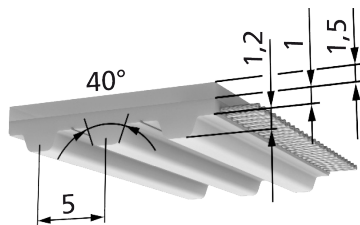
T5-DL

Reinforced back of the belt



T5-DR

Version T



T5-T

Belt widths b [mm] (In-between belt widths on request)

| | | | | | | |
|----|----|----|----|----|----|-----|
| 10 | 16 | 25 | 32 | 50 | 75 | 100 |
|----|----|----|----|----|----|-----|

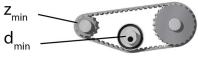

| Available length and versions | T5 | Comment |
|---|--------------------|--|
| Standard lengths | see table | without minimum purchase amount |
| Sleeve width | b=100 mm | - |
| Minimum purchase | 1 sleeve | to 690 mm |
| Any number of teeth available from | 20 mm to 15,000 mm | in case of intermediate lengths minimum purchase amount on request |
| StandardPlus version | 20 mm to 15,000 mm | - |
| Bigger lengths | on request | Minimum purchase amount on request |
| Standard material (BRECOFLEX to 700 mm) | TPUST3 | - |
| Standard material (BRECOFLEX from 720 mm) | TPUST1 | further materials on request |
| Steel tension member | Standard | - |
| E tension member | available | Minimum purchase amount on request |
| Stainless steel tension member | available | Minimum purchase amount on request |
| PAZ | available | without minimum purchase amount at standard lengths |
| DL / DL-PAZ (b _{max} =100 mm) | from 900 mm | Minimum purchase amount on request (coating only possible on inner side) |
| DR / DR-PAZ (b _{max} =100 mm) | from 900 mm | Minimum purchase amount on request |
| T / T-PAZ (b _{max} =100 mm) | available | Minimum purchase amount on request |

Standard lengths [mm] / number of teeth

| Length [mm] | number of teeth | Length [mm] | number of teeth | Length [mm] | number of teeth |
|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| 200 | 40 | 560 | 112 | 1,800 | 360 |
| 215 | 43 | 575 | 115 | 1,900 | 380 |
| 220 | 44 | 610 | 122 | 2,000 | 400 |
| 225 | 45 | 620 | 124 | 2,120 | 424 |
| 240 | 48 | 630 | 126 | 2,240 | 448 |
| 245 | 49 | 660 | 132 | 2,360 | 472 |
| 255 | 51 | 690 | 138 | 2,500 | 500 |
| 260 | 52 | 720 | 144 | 2,650 | 530 |
| 270 | 54 | 750 | 150 | 2,800 | 560 |
| 280 | 56 | 755 | 151 | 3,000 | 600 |
| 295 | 59 | 780 | 156 | 3,150 | 630 |
| 305 | 61 | 800 | 160 | 3,350 | 670 |
| 330 | 66 | 815 | 163 | 3,550 | 710 |
| 340 | 68 | 840 | 168 | 3,750 | 750 |
| 355 | 71 | 850 | 170 | 4,000 | 800 |
| 365 | 73 | 860 | 172 | 4,250 | 850 |
| 370 | 74 | 900 | 180 | 4,500 | 900 |
| 390 | 78 | 945 | 189 | 4,750 | 950 |
| 400 | 80 | 990 | 198 | 5,000 | 1,000 |
| 410 | 82 | 1,040 | 208 | 5,300 | 1,060 |
| 420 | 84 | 1,075 | 215 | 5,600 | 1,120 |
| 435 | 87 | 1,100 | 220 | 6,000 | 1,200 |
| 455 | 91 | 1,215 | 243 | 6,300 | 1,260 |
| 480 | 96 | 1,380 | 276 | 6,700 | 1,340 |
| 500 | 100 | 1,400 | 280 | 7,100 | 1,420 |
| 510 | 102 | 1,500 | 300 | 7,500 | 1,500 |
| 525 | 105 | 1,600 | 320 | | |
| 545 | 109 | 1,700 | 340 | | |

| Tooth shear strength (specific belt tooth load bearing) | | | | | | | |
|---|---------------------------|----------------------------|--------------------------|------------------|---------------------------|----------------------------|--------------------------|
| R.p.m. n [min-1] | F _{Uspez} [N/cm] | M _{spez} [Ncm/cm] | P _{spez} [W/cm] | R.p.m. n [min-1] | F _{Uspez} [N/cm] | M _{spez} [Ncm/cm] | P _{spez} [W/cm] |
| 0 | 24 | 1.91 | 0 | 2,000 | 13.69 | 1.089 | 2.28 |
| 20 | 23.4 | 1.861 | 0.039 | 2,200 | 13.38 | 1.065 | 2.45 |
| 40 | 22.9 | 1.819 | 0.076 | 2,400 | 13.1 | 1.042 | 2.62 |
| 60 | 22.4 | 1.783 | 0.112 | 2,600 | 12.84 | 1.021 | 2.78 |
| 80 | 22 | 1.751 | 0.147 | 2,800 | 12.59 | 1.002 | 2.94 |
| 100 | 21.7 | 1.723 | 0.18 | 3,000 | 12.37 | 0.984 | 3.09 |
| 200 | 20.3 | 1.614 | 0.338 | 3,200 | 12.16 | 0.967 | 3.24 |
| 300 | 19.3 | 1.536 | 0.483 | 3,400 | 11.96 | 0.951 | 3.39 |
| 400 | 18.55 | 1.476 | 0.618 | 3,600 | 11.77 | 0.936 | 3.53 |
| 500 | 17.93 | 1.427 | 0.747 | 3,800 | 11.59 | 0.922 | 3.67 |
| 600 | 17.41 | 1.385 | 0.87 | 4,000 | 11.42 | 0.909 | 3.81 |
| 700 | 16.96 | 1.349 | 0.989 | 4,500 | 11.03 | 0.878 | 4.14 |
| 800 | 16.56 | 1.318 | 1.104 | 5,000 | 10.68 | 0.85 | 4.45 |
| 900 | 16.2 | 1.289 | 1.215 | 5,500 | 10.36 | 0.825 | 4.75 |
| 1,000 | 15.88 | 1.263 | 1.323 | 6,000 | 10.07 | 0.802 | 5.04 |
| 1,100 | 15.58 | 1.24 | 1.428 | 6,500 | 9.81 | 0.78 | 5.31 |
| 1,200 | 15.31 | 1.218 | 1.531 | 7,000 | 9.56 | 0.761 | 5.58 |
| 1,300 | 15.06 | 1.198 | 1.632 | 7,500 | 9.33 | 0.742 | 5.83 |
| 1,400 | 14.83 | 1.18 | 1.73 | 8,000 | 9.11 | 0.725 | 6.08 |
| 1,500 | 14.61 | 1.162 | 1.826 | 8,500 | 8.91 | 0.709 | 6.31 |
| 1,600 | 14.4 | 1.146 | 1.92 | 9,000 | 8.72 | 0.694 | 6.54 |
| 1,700 | 14.21 | 1.131 | 2.01 | 9,500 | 8.54 | 0.679 | 6.76 |
| 1,800 | 14.03 | 1.116 | 2.1 | 10,000 | 8.37 | 0.666 | 6.97 |
| 1,900 | 13.85 | 1.102 | 2.19 | | | | |

| T5 | | Admissible tensile force of the belt F _{adm} / belt weight | | | | | | | |
|--------------------------------|------------------|---|-------|-------|-------|-------|-------|-------|-------|
| belt width | b [mm] | 10 | 16 | 25 | 32 | 50 | 75 | 100 | |
| E / Steel tension member | F _{zul} | 330 | 570 | 930 | 1,200 | 1,920 | 2,940 | 3,930 | |
| Stainless steel tension member | F _{zul} | 250 | 435 | 710 | 910 | 1,460 | 2,235 | 2,990 | |
| Belt width | Standard | [kg/m] | 0.022 | 0.034 | 0.052 | 0.067 | 0.105 | 0.163 | 0.21 |
| | DL | [kg/m] | 0.028 | 0.045 | 0.072 | 0.099 | 0.141 | 0.212 | 0.283 |
| | DR | [kg/m] | 0.036 | 0.057 | 0.09 | 0.115 | 0.18 | 0.271 | 0.362 |
| | T | [kg/m] | 0.041 | 0.065 | 0.101 | 0.13 | 0.203 | 0.304 | 0.405 |

| T5 | | Flexibility (Minimum number of teeth / minimum diameter) | | | | | | | | | | | |
|--|---|--|----|----|----|--------------------------|----|----|---|--------------------------------|----|----|----|
| | | Steel tension member | | | | E / Steel tension member | | | | Stainless steel tension member | | | |
| | | Standard | DL | DR | T | Standard | DL | DR | T | Standard | DL | DR | T |
|  | Minimum number of teeth without contraflexure (z _{min}) | 10 | 15 | 20 | 20 | 10 | 12 | - | - | 18 | 36 | 20 | 20 |
| | Minimum diameter of tensioning roller without contraflexure (d _{min} [mm]) | 30 | 30 | 30 | 30 | 18 | 30 | - | - | 30 | 60 | 30 | 30 |
|  | Minimum number of teeth with contraflexure (z _{min}) | 15 | 15 | 20 | 20 | 12 | 12 | - | - | 36 | 36 | 36 | 36 |
| | Minimum diameter of tensioning roller with contraflexure (d _{min} [mm]) | 30 | 30 | 60 | 60 | 18 | 30 | - | - | 60 | 60 | 60 | 60 |