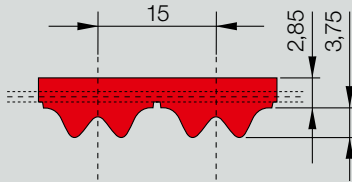


ATP high performance Timing Belts

ATP 15 GEN III



CONTI® SYNCHROFLEX Timing Belt (SFX) ATP 15 GEN III

High performance ATP profile with metric pitch and optimised meshing of the double engagement toothform.

Standard version

- single-sided
- high performance polyurethane in red colour
- steel cord tension members with high density
- steel cord tension members in two-filament construction

| Type / Length* GEN III | Number of teeth | Type / Length* GEN III | Number of teeth |
|---------------------------|--------------------|---------------------------|--------------------|
| ATP 15 / 1125 | 75 | ATP 15 / 1260 | 84 |
| ATP 15 / 1185 | 79 | ATP 15 / 1560 | 104 |

Preferred belt width* in mm:
25, 32, 50, 75, 100, 150

* Other dimensions upon request.

Order example

CONTI® SYNCHROFLEX Timing Belt 32 ATP15/1260 GEN III

Belt width in mm _____
 Type/Pitch _____
 Belt length in mm _____
 Specification Generation III _____

ATP 15 GEN III Technical data

1. Tooth shear strength (specific belt tooth strength)

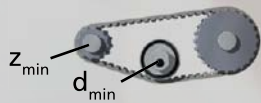

| R.p.m. n [min ⁻¹] | F _{Uspec} [N/cm] | M _{spec} [Ncm/cm] | P _{spec} [W/cm] | R.p.m. n [min ⁻¹] | F _{Uspec} [N/cm] | M _{spec} [Ncm/cm] | P _{spec} [W/cm] |
|----------------------------------|------------------------------|-------------------------------|-----------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------------|
| 0 | 157,672 | 37,641 | 0,000 | 2200 | 76,062 | 18,158 | 41,834 |
| 20 | 155,054 | 37,016 | 0,775 | 2400 | 73,182 | 17,471 | 43,909 |
| 40 | 152,609 | 36,433 | 1,526 | 2600 | 70,510 | 16,833 | 45,831 |
| 60 | 150,315 | 35,885 | 2,255 | 2800 | 68,018 | 16,238 | 47,612 |
| 80 | 148,155 | 35,369 | 2,963 | 3000 | 65,683 | 15,681 | 49,262 |
| 100 | 146,114 | 34,882 | 3,653 | 3200 | 63,486 | 15,156 | 50,789 |
| 150 | 141,455 | 33,770 | 5,305 | 3400 | 61,413 | 14,661 | 52,201 |
| 200 | 137,318 | 32,782 | 6,866 | 3600 | 59,449 | 14,192 | 53,504 |
| 300 | 130,215 | 31,087 | 9,766 | 3800 | 57,584 | 13,747 | 54,705 |
| 400 | 124,258 | 29,664 | 12,426 | 4000 | 55,809 | 13,323 | 55,809 |
| 500 | 119,128 | 28,440 | 14,891 | 4500 | 51,711 | 12,345 | 58,175 |
| 600 | 114,623 | 27,364 | 17,193 | 5000 | 48,022 | 11,464 | 60,027 |
| 700 | 110,606 | 26,405 | 19,356 | 5500 | 44,667 | 10,663 | 61,417 |
| 800 | 106,984 | 25,540 | 21,397 | 6000 | 41,591 | 9,929 | 62,386 |
| 900 | 103,684 | 24,753 | 23,329 | 6500 | 38,751 | 9,251 | 62,970 |
| 1000 | 100,564 | 24,029 | 25,163 | 7000 | 36,113 | 8,621 | 63,198 |
| 1100 | 97,853 | 23,361 | 26,910 | 7500 | 33,651 | 8,034 | 63,095 |
| 1200 | 95,250 | 22,739 | 28,575 | 8000 | 31,342 | 7,482 | 62,684 |
| 1300 | 92,817 | 22,159 | 30,166 | 8500 | 29,169 | 6,964 | 61,984 |
| 1400 | 90,535 | 21,614 | 31,687 | 9000 | 27,116 | 6,474 | 61,012 |
| 1500 | 88,385 | 21,100 | 33,144 | 9500 | 25,171 | 6,009 | 59,782 |
| 1600 | 86,353 | 20,615 | 34,541 | 10000 | 23,324 | 5,568 | 58,309 |
| 1700 | 84,427 | 20,155 | 35,881 | | | | |
| 1800 | 82,596 | 19,718 | 37,168 | | | | |
| 1900 | 80,851 | 19,302 | 38,404 | | | | |
| 2000 | 79,185 | 18,904 | 39,592 | | | | |

Rotational speeds over 10000 rpm and/or belt speeds over 50 m/s need special drive designs. Please ask for our advice.

2. Tension member strength (permitted tensile force of the belt F_{zul}), Belt weight

| Belt width | b | [mm] | 25 | 32 | 50 | 75 | 100 | 150 |
|--|----------------|--------|-------|-------|-------|-------|-------|-------|
| Tension member strength F _{zul} | | [N] | 6300 | 8550 | 13950 | 21600 | 28800 | 44100 |
| Belt weight | ATP 15 GEN III | [kg/m] | 0,218 | 0,279 | 0,436 | 0,654 | 0,872 | 1,308 |

3. Flexibility (Minimum numbers of teeth, minimum diameter)

| | | | | |
|---|-----------------------|-----|--|----------------------------------|
| Timing pulley | z _{min} | 20 |  | Drive type without contraflexure |
| Tension roller (smooth), running on teeth | d _{min} [mm] | 100 | | |
| Timing pulley | z _{min} | 30 |  | Drive type with contraflexure |
| Tension roller (smooth), running on the back of the belt | d _{min} [mm] | 160 | | |