



V-BELTS

Rubber V-belts



MEGADYNE

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INTRODUCTION TO V-BELTS

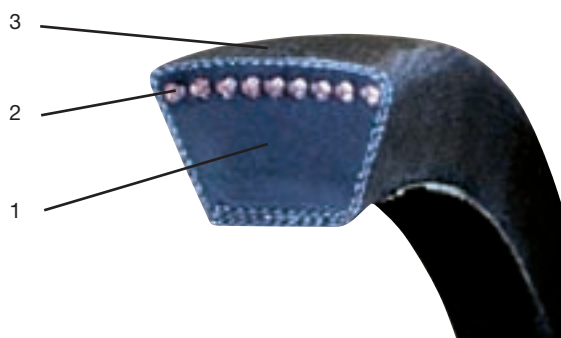
INTRODUCTION TO V-BELTS

Megadyne V-belts have been used for decades in the most different industries and applications, giving drive solution to customers all over the world.

Applied technology allows to reach so good dimensional precision in V-belts to make them suitable for multiple transmissions. This dimensional stability continues also during belt use.

High variety of belt sizes available permits the application of Megadyne V-belt in a wide range of drive applications, such as:

- machine tools
- industrial washing machines
- textile machines
- continuous paper machines
- high power mills
- stone crushers



The main V-belt components are:

- 1) **Belt body** made of a special rubber compound which provides, due to its excellent mechanical characteristics, high transmission efficiency and assures a minimum rubber wear off;
- 2) **Tensile member** consisting in high-strength low-stretch cords, which grant length stability over the belt life time;
- 3) **Fabric jacket or cover** made of fabric, protecting the tensile member and permitting the use of back side idler.

MECHANICAL AND CHEMICAL FEATURES

- smooth starting and running
- wide range of driven speed
- low maintenance
- high efficiency
- extremely wide horsepower ranges
- dampen vibration between driver and driven pulleys
- silent operations
- long life service
- easy installation
- reduction in drive dimension
- working temperature range from -30°C to +80/90°C (see details in family pages)
- oil and heat resistance
- antistatic properties

IDENTIFICATION CODE

The code is composed of letters and numbers as follows:

OLEOSTATIC A 52

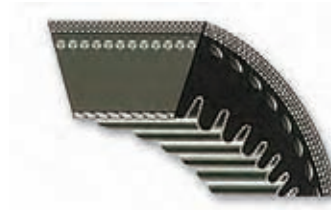
- 1) **OLEOSTATIC** family name
- 2) **A** belt section code
- 3) **52** length in inches



SECTIONS

| | |
|---|----|
| Z | E |
| A | 20 |
| B | 25 |
| C | 45 |
| D | 50 |

OLEOSTATIC®
Classical V-belts



SECTIONS

| |
|----|
| AX |
| BX |
| CX |

GOLD LABEL COG-BELT
Raw-Edge classical V-belts



SECTIONS

| |
|-----|
| SPZ |
| SPA |
| SPB |
| SPC |
| 19 |

SP
Wedge V-belts DIN



SECTIONS

| |
|-----|
| XPZ |
| XPA |
| XPB |
| XPC |

LINEA-X
Raw-Edge narrow V-belts DIN



SECTIONS

| |
|----|
| 3V |
| 5V |
| 8V |

KOMPATTEX®
Wedge V-belts RMA



SECTIONS

| |
|-----|
| 3VX |
| 5VX |
| 8VX |

POWER WEDGE
Raw-Edge narrow V-belts RMA



SECTIONS

| | |
|--------|-------|
| 13x6 | 36x12 |
| 17x5 | 37x10 |
| 21x6,5 | 42x13 |
| 22x8 | 47x13 |
| 26x8 | 52x16 |
| 28x8 | 55x16 |
| 30x10 | 65x20 |
| 33x10 | 70x20 |

VARISECT
Variable speed V-belts



SECTIONS

| |
|---------|
| XDV2-38 |
| XDV2-48 |
| XDV2-58 |

XDV2
Xtra Duty V-belts



SECTIONS

| |
|----|
| AA |
| BB |
| CC |

ESAFLEX
Double V-belts

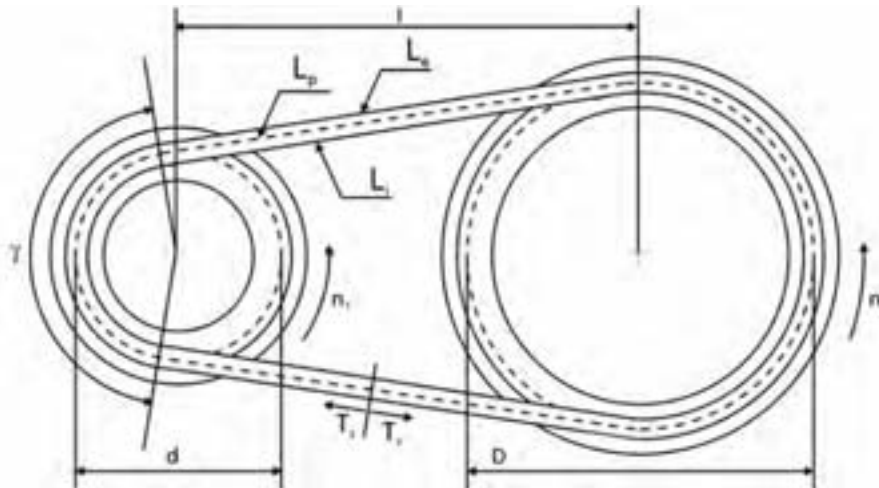


SECTIONS

| | |
|-----|-----|
| A | SPC |
| B | 3V |
| C | 5V |
| SPZ | 8V |
| SPA | 3VX |
| SPB | 5VX |

PLURIBAND®
Banded V-belts

TECHNICAL CALCULATION



| Symbol | Unit | Definition | Symbol | Unit | Definition |
|------------|------|--------------------------------------|----------|------|---------------------------------------|
| C_γ | | correction factor C_γ | L_p | mm | pitch length (effective) |
| C_L | | correction factor C_L | n_1 | RPM | speed of smaller pulley (faster) |
| C_c | | correction factor C_c | n_2 | RPM | speed of bigger pulley (slower) |
| d | mm | pitch diameter of smaller pulley | P | kW | power to be transmitted |
| D | mm | pitch diameter of bigger pulley | P_a | kW | actual power of the transmission |
| l | mm | theoretical center distance | P_b | kW | basic performance of a single belt |
| l_e | mm | effective center distance | P_c | kW | corrected power |
| i | | transmission ratio | P_d | kW | difference to P_b due to $K \neq 1$ |
| L' | mm | calculated pitch length | Q | | number of belts |
| L_e | mm | external length ($L_p + \Delta_e$) | T_s | N | static belt tension |
| L_i | mm | internal length ($L_p - \Delta_i$) | v | m/s | peripheral belt speed |
| | | | γ | ° | arc of contact |

BELT SECTION

Necessary data for selection of the belt section:

P = power to be transmitted in kW

n_1 = speed in RPM of the smaller pulley

n_2 = speed in RPM of the bigger pulley

It is necessary to correct the power P by a coefficient C_c (see table 1 page 6) which considers into account the actual operating conditions.

Corrected power P_c is given by:

$$P_c = P \cdot C_c$$

The graphs gives a guiding criterion for the section of the belt.

TRANSMISSION RATIO

Transmission ratio is calculated as follows:

$$i = \frac{n_1}{n_2} = \frac{D}{d}$$

where D is the pitch diameter of larger pulley and d is the pitch diameter of the smaller pulley.

Peripheral speed of the belts is determined by

$$v = \frac{d \cdot n_1}{19100}$$

If the drive being calculated is of the V/flat type (one V pulley and one flat pulley) it is necessary to find the corresponding pitch diameter of the flat pulley.

The pitch diameter of the flat faced pulley is obtained by increasing its external diameter by the amount in millimetres shown in the following table:

| Z | A | B | C | D | E | 19 | 20 | 25 |
|---|----|----|----|----|----|----|----|----|
| 8 | 10 | 14 | 20 | 24 | 33 | 16 | 15 | 19 |

PITCH LENGTH OF THE BELT AND CORRECT CENTER DISTANCE

Whenever the shaft center distance I is not predetermined by the layout of the drive, the optimum distance may be chosen as follows:

$$1 < i < 3 \quad I \geq \frac{(i+1) \cdot d}{2} + d$$

$$i > 3 \quad I \geq D$$

The pitch length is determined by:

$$L' \approx 2 \cdot I + 1,57 \cdot (D+d) + \frac{(D-d)^2}{4I}$$

From the list of belt sizes, should be selected the belt pitch length L_p nearest to the value of L' above calculated.

Since $L' \neq L_p$ the center distance " I " may be varied by subtracting half $L' - L_p$. Therefore the effective center distance of the drive will be:

$$I_e = I - \frac{L' - L_p}{2}$$

NUMBER OF BELTS

The basic performance P_b is the power which a single belt transmits under the following conditions:

- $i = 1$
This configuration corresponds to 180° arc of contact belt on both pulleys;
- $i \neq 1$
The difference of kW-rating P_d is the power which the belt transmits in excess of P_b because $i \neq 1$ in service conditions. The actual kW-rating P_a is the power which the belt transmits in operating conditions and is obtained by means of:

$$P_a = (P_b + P_d) \times C_\gamma \times C_L$$

Table 4 (see belt family pages) gives the values of P_b according to RPM and d (smaller diameter) and the values of P_d according to RPM and i .

TECHNICAL CALCULATION

Table 2 (bottom of this page) and 3 (see belt family pages) give values of the coefficients C_γ and C_L taking into account the operating conditions.

The arc of contact γ of the belt on the smaller pulley is determined by:

$$\gamma = 180^\circ - 57 \cdot \frac{D-d}{l_e}$$

The number of belts Q necessary for the transmission of the power P_c is determined by:

$$Q = \frac{P_c}{P_a}$$

The number of belts actually is obtained in general by rounding up Q to the next highest whole number.

TABLE 1 - Type of motor

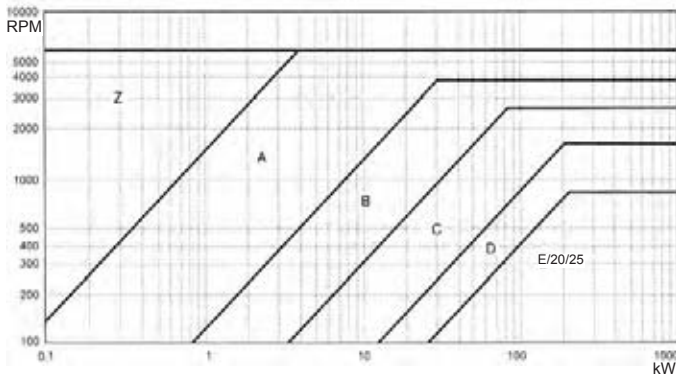
| Applications | | Daily operating hours | | | | | |
|--|--|--|---------------------|----------------------|--------------------|---------------------|----------------------|
| | | 0-8 ⁽¹⁾ | 8-16 ⁽¹⁾ | 16-24 ⁽¹⁾ | 0-8 ⁽²⁾ | 8-16 ⁽²⁾ | 16-24 ⁽²⁾ |
| Drivers (1) AC electric motors: high slip, squirrel cage, synchronous; DC electric motors: parallel excitation; multi-cylinder internal combustion engines; gas or steam turbines. | | (2) AC electric motors: high torque, high slip, single phase, wound rotor, commutator; DC electric motors: series and compound excitation; single-cylinder internal combustion engines with direct coupling or with countershaft; steam engines. | | | | | |
| Light use Centrifugal pumps and compressors, belt conveyors, (light materials) fans and pumps up to 7,5 kW. | | 1,1 | 1,1 | 1,2 | 1,1 | 1,2 | 1,3 |
| Normal use Shears for steel sheet presses, belt and chain conveyors, (heavy material) sifters, generator sets, machine tools, kneading machines, industrial washing machines, printing presses, fans and pumps over 7,5 kW. | | 1,1 | 1,2 | 1,3 | 1,2 | 1,3 | 1,4 |
| Heavy use Hammer mills, piston compressors, belt conveyors for heavy loads, lifters, textile machines, continuous paper machines, piston and dredging pumps, ripping saws. | | 1,2 | 1,3 | 1,4 | 1,4 | 1,5 | 1,6 |
| Extra heavy use High power mills, stone crushers, calendars, mixer, cranes, diggers, dredgers. | | 1,3 | 1,4 | 1,5 | 1,5 | 1,6 | 1,8 |

TABLE 2 - Correction factor C_γ (T/T=V/V drives; T/P=V/Flat drives; γ =arc of contact on the smaller pulley)

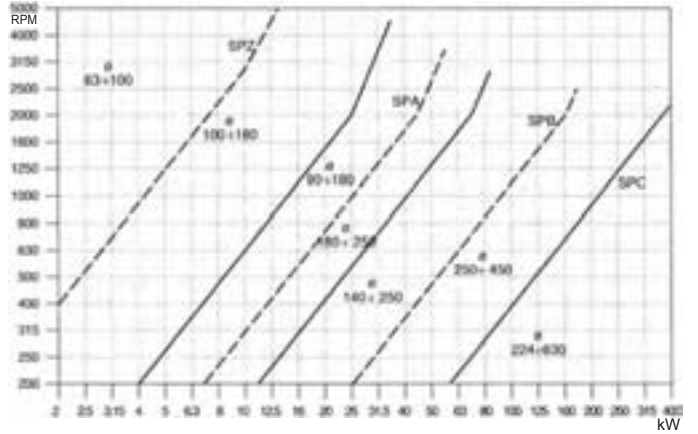
| | γ | 180° | 175° | 170° | 165° | 160° | 155° | 150° | 145° | 140° | 135° | 130° | 125° | 120° | 115° | 110° | 105° | 100° | 90° |
|------------------------------|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| C_γ | T/T | 1 | 0,99 | 0,98 | 0,96 | 0,95 | 0,93 | 0,92 | 0,90 | 0,89 | 0,87 | 0,86 | 0,84 | 0,82 | 0,80 | 0,78 | 0,76 | 0,74 | 0,69 |
| | T/P | 0,75 | 0,76 | 0,77 | 0,79 | 0,80 | 0,81 | 0,82 | 0,83 | 0,84 | 0,85 | 0,86 | 0,84 | 0,82 | 0,80 | 0,78 | 0,76 | 0,74 | 0,69 |

BELT SELECTION CHARTS

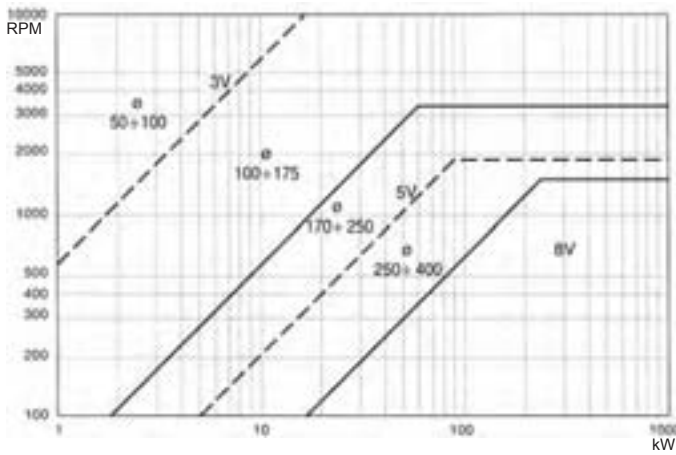
OLEOSTATIC®



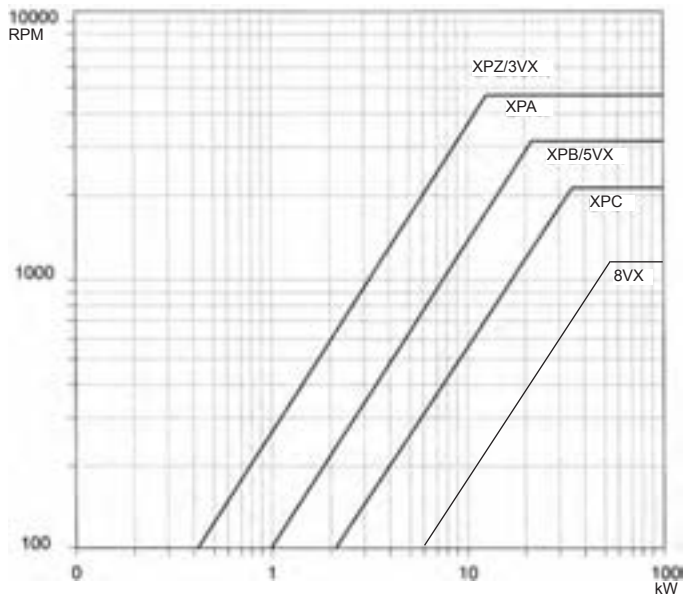
SP



KOMPATTEX®



LINEA-X and POWER WEDGE



CALCULATION EXAMPLE

EXAMPLE

$P = 22 \text{ kW}$

$n_1 = 1200 \text{ RPM}$

$n_2 = 660 \text{ RPM}$

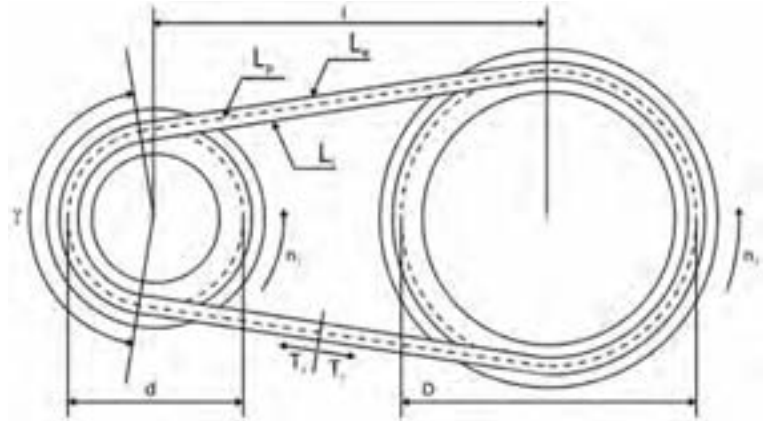
Textile machine operating 12 hours a day

Type of motor: AC electric motor, normal torque

The correction coefficient is 1,3 (see table 1)

The corrected power is:

$$P_c = 22 \cdot 1,3 = 28,6 \text{ kW}$$



BELT SELECTION

From selection charts, for $P_c = 28,6$ and $n_1 = 1200 \text{ RPM}$ it is appropriate to choose section B.

TRANSMISSION RATIO

The transmission ratio can be calculated as follows:

$$i = \frac{n_1}{n_2} = \frac{1200}{660} = 1,82$$

Considering diameter $d = 250 \text{ mm}$ for the smaller pulley, the pitch diameter of the larger pulley is:

$$D = i \cdot d = 1,82 \cdot 250 = 455 \text{ mm}$$

Peripheral speed of the belts is determined by

$$v = \frac{d \cdot n_1}{19100} ; v = \frac{0,052 \cdot 250 \cdot 1200}{19100} = 15,7 \text{ m/s}$$

BELT PITCH LENGTH AND CORRECT CENTER DISTANCE

For $i = 1,82$ (i.e. $1 < i < 3$) the center distance is given by:

$$l \geq \frac{(i+1) \cdot d}{4} + d \quad \text{so} \quad l = 610 \text{ mm}$$

The pitch length of the belt is determined by:

$$L' = 2 \cdot l + 1,57 \cdot (D+d) + \frac{(D-d)^2}{4 \cdot l} ;$$

$$L' = 2 \cdot 610 + 1,57 \cdot (455+250) + \frac{(455-250)^2}{4 \cdot 610} = 2344 \text{ mm}$$

From the list of belt sizes (see table on belt family pages), should be selected the belt pitch length L_p nearest to the value of L' previously calculated.

The center distance "l" may be varied by subtracting half $L' - L_p$. Therefore the effective centre distance of the drive will be:

$$l_e = l - \frac{L' - L_p}{2}$$

Having selected **B 91** ($L_p = 2355 \text{ mm}$), the actual shaft center distance is calculated by:

$$l_e = 610 - \frac{2344 - 2355}{2} = 615,5 \text{ mm}$$

From table 4 of B section (d=250 mm; 1200 RPM; K=1,82):

$$P_b = 9,89 \text{ kW}$$

$$P_d = 0,48 \text{ kW}$$

The arc of contact γ of the belt on the smaller pulley is determined by:

$$\gamma = 180^\circ - 57 \cdot \frac{D-d}{l_e} = 180^\circ - 57 \cdot \frac{455-250}{616} \cong 161^\circ$$

From table 2 for $\gamma = 161^\circ$

$$C_\gamma = 0,95$$

From table 3 for **B 91** belt

$$C_L = 1,00$$

Therefore:

$$P_a = (9,89+0,48) \cdot 0,95 \cdot 1,00 = 9,85 \text{ kW}$$

The number of belts Q necessary for transmission of the power P_c is established by:

$$Q = \frac{P_c}{P_a} = \frac{28,6}{9,85} = 2,9$$

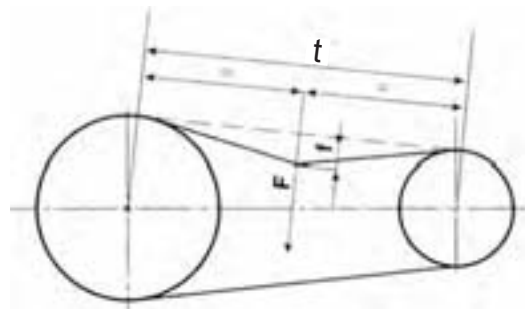
Round up to 3 belts **B 91**.

BELT TENSIONING RECOMMENDATION

The correct belt assembling tension is given by:

$$T_s = 500 \cdot \frac{2,5-C_\alpha}{C_\alpha} \cdot \frac{P_c}{Q \cdot v} + m \cdot v^2$$

| Symbol | Unit | Definition |
|------------|----------|---|
| C_α | | arc correction factor |
| m | kg/m | belt linear mass (see belt family page) |
| P_c | kW | corrected power |
| Q | | number of belts |
| T_s | N/strand | static belt tension |
| v | m/s | peripheral belt speed |
| α | ° | arc of contact |



Arc correction factor:

| α [°] | 180 | 174 | 169 | 163 | 157 | 151 | 145 | 139 | 133 | 127 | 120 | 113 | 106 | 99 | 91 | 83 |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| C_α | 1,00 | 0,98 | 0,97 | 0,96 | 0,94 | 0,93 | 0,91 | 0,89 | 0,87 | 0,85 | 0,82 | 0,80 | 0,77 | 0,73 | 0,70 | 0,65 |

LENGTH MEASURING AND GROOVE PULLEYS

BELT LENGTH MEASURING

The first and easiest way for measuring the V-belt length is by placing the belt on a flat surface, giving the belt a circular shape and finally measuring the internal length L_i by means of a measuring tape. Adding Δ_i and after Δ_e (see belt families pages) to this length, it's possible to calculate respectively L_p and L_e .

This measuring way is not very precise, even if practically easy and feasible with a tape only.

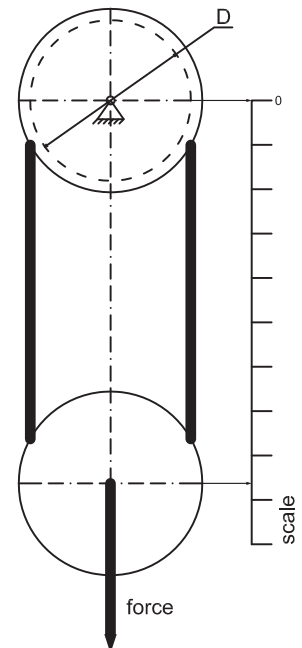
The correct way for measuring the V-belt length is by means of pulleys and dynamometer. The belt is put on 2 pulleys, specific for the family and size of the belt and having the same pitch diameter. One is fixed while the second can move on a linear graduated scale. Depending on the belt, a certain force is applied to the second pulley in order to put the complete system under tension. The correct force is tabled the relevant standards referring to the belt family.

To stabilize the system, at least 3 rotations of the pulleys are required.

The pitch length L_p is given by the pulleys pitch diameter D and center distance a in the formula:

$$L_p = 2 a * \pi D$$

Subtracting Δ_i and adding Δ_e (see belt families pages) it's possible to calculate respectively L_i and L_e .



GROOVE PULLEYS

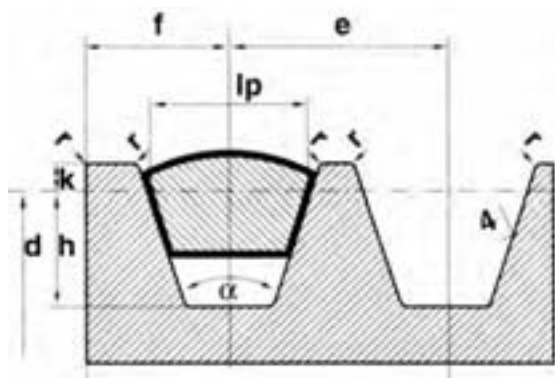
Groove pulleys for V-belts must be manufactured with care and be made of good quality steel or engineering cast iron. It is most important that the flanks of the grooves shall be perfectly smooth and show no visible sign of machining, that all sharp corners of the grooves shall be rounded off and chamfered and that the external diameter of the face shall be constant overall.

All pulleys must also be statically balanced.

Dynamic balancing is required for speeds over 30 m/second.

Profile and dimension of pulley should be in accordance to DIN 2211, BS 3790, ISO, RMA depending on the belt relevant standard.

In the drawing are shown the main characteristics and dimensions of groove pulleys for V-belts (example referring to Oleostatic belts).



- lp** = pitch width
- k** = minimum height of groove above the pitch line
- h** = minimum depth of groove below the pitch line
- α** = groove angle
- d** = pitch diameter
- e** = distance between the axes of the sections of two grooves
- f** = distance between the axis of the section of the outer groove and the rim of the pulley

LENGTH MEASURING AND GROOVE PULLEYS

The use of idlers in V-belt drives is not recommended.

However, due to particular drive requirements and limitations, use of idlers may be absolutely necessary.

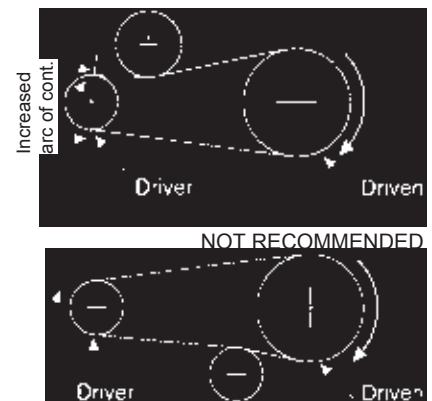
For using idlers, requirements are as follows:

1. Providing take-up for fixed center drives.
2. Turning corners (as in mule pulley drives).
3. Breaking up long spans where belt whip may be a problem.
4. Maintaining tension, when idler is spring-loaded or weighted.

A power correction (see below) is required.

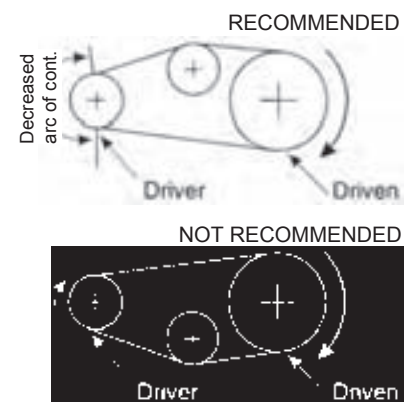
OUTSIDE IDLER

1. An outside idler should be at least one and one-third times as large as the smallest pulley on the drive, unless drive has unusually large pulleys.
2. An outside idler must be flat and without any crown.
3. To find the face width of a flat idler (between flanges if flanged) add 1 ½ times the nominal belt top width to the face width of the grooved pulley used.
4. An outside idler pulley should be located as close as possible to the preceding pulley. This is because V-belts move back and forth slightly on a flat pulley and locating it as far away from the next pulley minimizes the possibility of the belt entering that pulley in a misaligned condition.
5. Idler pulleys should be located only on the slack side of a drive.



INSIDE IDLER

1. An inside idler will decrease the arc of contact.
2. An inside idler should be at least as large as the smallest pulley on the drive, unless the drive has unusually large pulleys.
3. An inside idler should better be a grooved pulley. In alternative, flat pulleys can be used.
4. A grooved inside idler pulley may be located anywhere along the span, preferably so that it gives nearly equal arcs of contact on the two adjacent pulleys.
5. Idler pulleys should be located only on the slack side of a drive.



RATED POWER CORRECTION

Because idlers impose an additional bending stress point on the V-belt, the transmittable power is reduced. The smaller the idler diameter, the greater the bending stress, which results in a greater reduction in rated power and belt life. To compensate this loss, the design power of the drive must be increased.

The following table gives the approximate correction factors according to the number of pulleys in the drive. The normal power rating should be multiplied by this factor.

| No. of pulleys in drive | 2 | 3 (one idler) | 4 (two idlers) |
|--------------------------|------|---------------|----------------|
| Rating Correction Factor | 1,00 | 0,90 | 0,80 |

Note:

As stated, the above listed factors are only approximate values and apply only when idler diameters and their location is in accordance with the above recommendations.

STORAGE MAINTENANCE AND USEFUL ADVICES

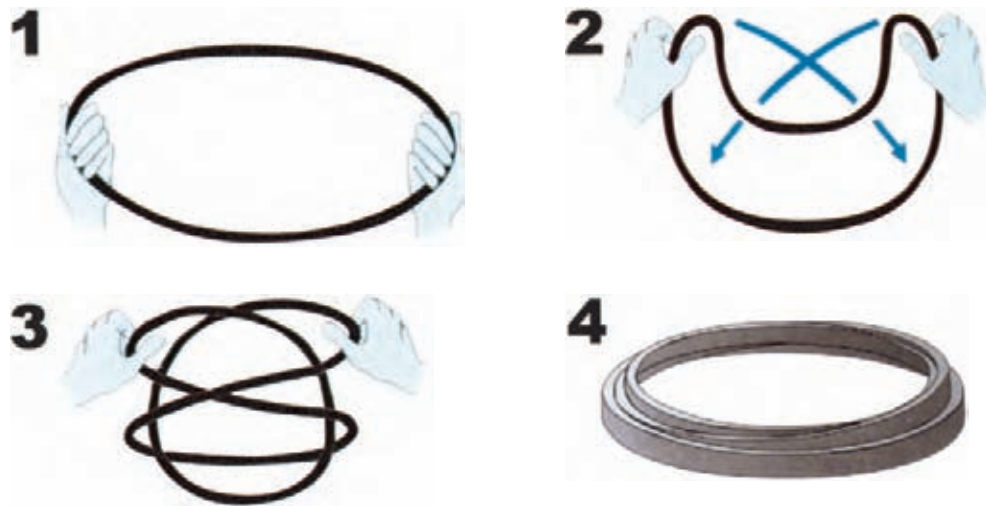
HOW TO STORE BELTS

In order to store V-Belts correctly, it is advisable to hang them on "saddles" or on large-diameter tubular brackets. This diameter should be at least ten times the height of belts cross section.

Long belts can be stacked to save space, provided that they are correctly coiled (see figures).

Short belts can be stored on shelves, but be aware that stacks should not be more than 300 mm high, as the bottom belts may be otherwise deformed.

Finally, hooks and nails are unsuitable for suspending the belts.



CONDITIONS OF STORAGE

Rubber V-belts can be stored for several years without causing any performance or reliability loss.

For a correct storage, some prescription have to be taken into account.

- Environment

The storage premises should be cool, dry and well ventilated but not draughty.

- Temperature

Storage temperature should be within +5 and +30°C.

Lower temperatures causes stiffening in the belt but are accepted in the storage. In order to avoid damages in the start-up, it becomes necessary to heat the belt up to around 20° before making it run on the machine.

Higher temperatures due to heating are to be avoided. Distance from heating sources should be at least 1 meter.

- Light

Belts should be protected from light, especially direct sunlight and artificial light with high ultraviolet rays (neon light).

- Ozone

Equipments generating ozone, like high voltage electrical machines or fluorescent light sources, should not be installed in the storage.

Also combustion gases and vapours, that can cause ozone, should be avoided.

- Chemicals

Flammable materials, lubricants, acids and any other aggressive material should not be kept in the storage. Belts elastomers may be affected or even irreparably damaged by such agents.

CLEANING

Never clean V-belts. If you need, for any reason, to clean belts use a dry towel or one soaked with a glycerine/alcohol mixture in the ratio 1:10. Other solvents such as petrol or benzene must not be used.

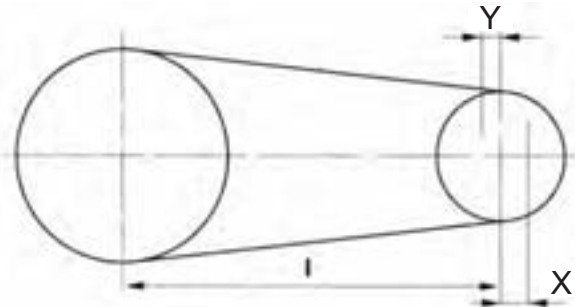
Sharp-edged objects must not be used for cleaning V-belts.

To ensure a long service life and high performances, it is important to design correctly the application and to take care of correct installation, maintenance and storage of the belt.

A drive must be designed in such a way to make proper provision for both installation and tensioning of the V-belts. For this purpose a take-up device is necessary; a slide adjuster on the motor is recommended to simplify installation and permit optimum tensioning.

Table 5 (see belt family pages) provides minimum variation of center distance permitted for installation and tensioning of the belts.

X = Take up allowance
 Y = Installation allowance
 l = Center distance



Furthermore, the following rules must always be observed:

- 1) check the alignment of the drive pulleys;
- 2) make sure that the flanks of the grooves are clean;
- 3) adjust the tensioner to stretch the belts sufficiently;
- 4) check the tension (see following section);
- 5) check correct diameter for tensioning pulley;
- 6) protect belt from oil and other chemicals;
- 7) when installing belts, slack off tensioner and avoid using tools or implements which may damage the belts.

Pulleys with large diameters increase belt life. They must be statically balanced up to the speed of 30 m/s and dynamically balanced over this value.

TENSIONING SYSTEM

The satisfactory performance of a transmission equipped with V-belts depends on the correct fitting tension. It is therefore necessary to proceed in the following way, using the slide adjuster:

Belt tension control by deflection method

The approximate relation among deflection force, belt deflection and belt tension is given by:

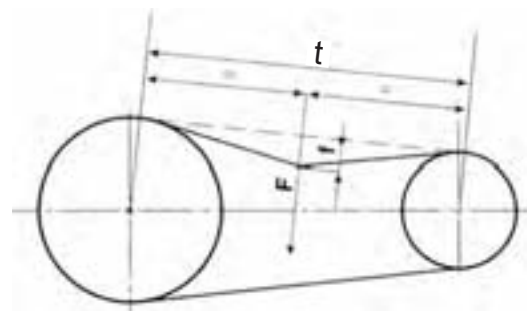
$$T_s \approx \frac{F \cdot t}{4 \cdot f}$$

Imposing a belt deflection

$$f = \frac{t}{64}$$

the deflection force should be in the range

$$F_{\min} \approx F' = \frac{T_s}{16} \quad F_{\max} \approx F'' = \frac{1,5 \cdot T_s}{16}$$



where:

| Symbol | Unit | Definition |
|----------------------|----------|----------------------------------|
| F | N | perpendicular deflection force |
| f | mm | belt deflection |
| t | mm | free span length |
| T_s | N/strand | static belt tension (see page 9) |

Belt tension control by vibration method

Belt vibration frequency: $F_r = \sqrt{\frac{T_s}{4 \cdot m \cdot t^2}}$

| Symbol | Unit | Definition |
|----------------------|----------|----------------------------------|
| F_r | Hz | natural frequency of belt |
| m | kg/m | specific belt mass |
| t | m | free span length |
| T_s | N/strand | static belt tension (see page 9) |

BELT CHARACTERISTICS

| section | Z | A | B | C | D | E | 20 | 25 | 45 | 50 |
|---|---|-----|-----|-----|-----|-----|------|-----|------|------|
| a (mm) | 10 | 13 | 17 | 22 | 32 | 40 | 20 | 25 | 45 | 50 |
| s (mm) | 6 | 8 | 11 | 14 | 19 | 25 | 12,5 | 16 | 20 | 20 |
| pitch length - internal length = Δ_1 (mm) | 25 | 33 | 43 | 62 | 76 | 105 | 48 | 61 | 91 | 85 |
| external length - pitch length = Δ_2 (mm) | 13 | 17 | 26 | 26 | 43 | 52 | 31 | 39 | 35 | 41 |
| weight (gr/m) | 60 | 100 | 175 | 300 | 610 | 930 | 240 | 400 | 1200 | 1365 |
| min. pulley diam. (mm) | 60 | 90 | 125 | 200 | 300 | 500 | 160 | 250 | 320 | 320 |
| working temperature | -30°C ÷ +80°C | | | | | | | | | |
| relevant standards | RMA/MPTA IP20 - DIN 2215 - ISO 4184 | | | | | | | | | |
| relevant antistatic standard | ISO 1813 | | | | | | | | | |
| materials | CR blend - polyester cord - cotton/polyester fabric | | | | | | | | | |

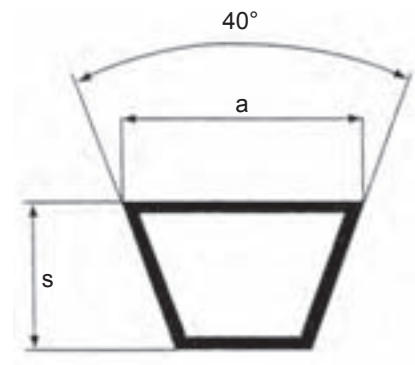


TABLE 3 - CORRECTION FACTOR C_L according to type and length of the belt

| inches | 9½ | 16 | 22 | 24 | 28 | 32 | 35 | 48 | 53 | 75 | 81 | 90 | 128 | 144 | 180 | 210 | 285 | 330 | 420 | 540 | 720 | 780 | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| Z | 0,69 | 0,77 | 0,82 | 0,84 | 0,87 | 0,89 | 0,91 | 0,98 | 1,00 | | | | | | | | | | | | | | |
| A | | 0,73 | 0,79 | 0,80 | 0,83 | 0,85 | 0,87 | 0,93 | 0,95 | 1,03 | 1,05 | 1,07 | 1,16 | 1,19 | 1,25 | 1,29 | | | | | | | |
| B | | | 0,73 | 0,75 | 0,77 | 0,80 | 0,81 | 0,87 | 0,89 | 0,96 | 0,98 | 1,00 | 1,08 | 1,11 | 1,16 | 1,20 | 1,29 | 1,33 | 1,40 | | | | |
| C | | | | | | 0,72 | 0,73 | 0,79 | 0,80 | 0,87 | 0,88 | 0,90 | 0,97 | 1,00 | 1,05 | 1,09 | 1,16 | 1,20 | 1,27 | | | | |
| D | | | | | | | | | | | | 0,80 | 0,87 | 0,89 | 0,94 | 0,97 | 1,04 | 1,07 | 1,13 | 1,20 | 1,27 | | |
| E | | | | | | | | | | | | | | | 0,90 | 0,94 | 1,00 | 1,03 | 1,09 | 1,15 | 1,23 | 1,25 | |
| 20 | | | | | | | | | | 0,91 | 0,93 | 0,95 | 1,02 | 1,05 | 1,10 | 1,14 | 1,22 | | | | | | |
| 25 | | | | | | | | | | 0,82 | 0,83 | 0,85 | 0,92 | 0,95 | 1,00 | 1,03 | 1,10 | 1,13 | | | | | |

TABLE 5 - INSTALLATION AND TAKE UP ALLOWANCE

| L (mm) | Y (mm) | | | | | | | | X (mm) |
|--------------|--------|----|----|----|----|----|----|----|--------|
| | Z | A | B | C | D | E | 20 | 25 | |
| 500 ÷ 1000 | 15 | 19 | 25 | | | | | | 25 |
| 1001 ÷ 1500 | 15 | 19 | 25 | 38 | | | | 38 | 38 |
| 1501 ÷ 2500 | 19 | 19 | 32 | 38 | | | | 38 | 51 |
| 2501 ÷ 3000 | | 25 | 32 | 38 | | | | 38 | 63 |
| 3001 ÷ 4000 | | 25 | 38 | 38 | 51 | | | 38 | 75 |
| 4001 ÷ 5000 | | | | 51 | 51 | 63 | | 51 | 90 |
| 5001 ÷ 6000 | | | | 51 | 51 | 63 | | 51 | 101 |
| 6001 ÷ 7000 | | | | 51 | 63 | 63 | | 51 | 113 |
| 7001 ÷ 8500 | | | | 51 | 63 | 76 | | 51 | 127 |
| 8501 ÷ 10500 | | | | 51 | 63 | 76 | | 51 | 152 |
| > 10501 | | | | | 76 | 90 | | 76 | 1,5% L |





Z SECTION

| Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | | |
|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|------|
| Z 16 | 410 | Z 22 | 560 | Z 26 | 660 | Z 30 3/4 | 785 | Z 35 | 890 | Z 40 | 1016 | Z 46 | 1180 | Z 54 | 1371 | Z 66 | 1675 |
| Z 17 1/4 | 440 | Z 22 1/4 | 565 | Z 26 1/2 | 670 | Z 31 | 787 | Z 35 1/2 | 900 | Z 40 1/2 | 1030 | Z 47 | 1194 | Z 55 | 1400 | Z 67 | 1700 |
| Z 18 | 460 | Z 22 1/2 | 575 | Z 27 | 685 | Z 31 1/2 | 800 | Z 36 | 915 | Z 41 | 1040 | Z 47 3/4 | 1215 | Z 56 | 1422 | Z 68 1/2 | 1740 |
| Z 19 | 480 | Z 23 | 585 | Z 27 1/2 | 700 | Z 32 | 815 | Z 36 1/2 | 925 | Z 41 1/2 | 1050 | Z 48 | 1225 | Z 57 | 1450 | Z 69 | 1750 |
| Z 19 1/2 | 500 | Z 23 1/2 | 600 | Z 28 | 710 | Z 32 1/2 | 825 | Z 36 3/4 | 935 | Z 41 3/4 | 1060 | Z 49 | 1245 | Z 59 | 1500 | Z 71 | 1803 |
| Z 20 | 508 | Z 23 3/4 | 605 | Z 28 1/2 | 725 | Z 33 | 840 | Z 37 | 945 | Z 42 | 1070 | Z 50 | 1270 | Z 59 1/2 | 1515 | | |
| Z 20 1/2 | 520 | Z 24 | 610 | Z 29 | 735 | Z 33 1/2 | 850 | Z 37 1/2 | 950 | Z 42 1/2 | 1080 | Z 50 1/2 | 1285 | Z 61 | 1550 | | |
| Z 21 1/4 | 540 | Z 24 3/4 | 630 | Z 29 1/2 | 750 | Z 34 | 865 | Z 38 | 965 | Z 43 | 1090 | Z 51 | 1300 | Z 62 | 1575 | | |
| Z 21 1/2 | 545 | Z 25 | 635 | Z 30 | 765 | Z 34 1/4 | 870 | Z 38 1/4 | 975 | Z 44 | 1120 | Z 52 | 1320 | Z 63 | 1600 | | |
| Z 21 3/4 | 555 | Z 25 1/2 | 650 | Z 30 1/2 | 775 | Z 34 1/2 | 875 | Z 39 | 1000 | Z 45 | 1145 | Z 53 | 1345 | Z 65 | 1651 | | |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | 40 | 45 | 50 | 56 | 71 | 80 | 90 | 100 | 112 | 125 | 132 | 150 |
|------|------|------|------|------|------|------|------|-------|------|-------|-------|-------|
| 100 | 0,02 | 0,03 | 0,04 | 0,05 | 0,08 | 0,09 | 0,11 | 0,12 | 0,14 | 0,17 | 0,18 | 0,21 |
| 200 | 0,04 | 0,06 | 0,07 | 0,09 | 0,14 | 0,17 | 0,20 | 0,23 | 0,27 | 0,31 | 0,33 | 0,39 |
| 500 | 0,08 | 0,12 | 0,16 | 0,20 | 0,32 | 0,39 | 0,46 | 0,53 | 0,62 | 0,71 | 0,76 | 0,89 |
| 700 | 0,10 | 0,15 | 0,21 | 0,27 | 0,43 | 0,52 | 0,62 | 0,72 | 0,84 | 0,96 | 1,03 | 1,21 |
| 900 | 0,12 | 0,19 | 0,25 | 0,30 | 0,53 | 0,64 | 0,77 | 0,90 | 1,05 | 1,20 | 1,29 | 1,50 |
| 1000 | 0,13 | 0,20 | 0,28 | 0,36 | 0,58 | 0,71 | 0,84 | 0,98 | 1,15 | 1,32 | 1,41 | 1,65 |
| 1400 | 0,16 | 0,26 | 0,36 | 0,48 | 0,77 | 0,94 | 1,13 | 1,31 | 1,53 | 1,76 | 1,88 | 2,19 |
| 1500 | 0,16 | 0,27 | 0,38 | 0,50 | 0,81 | 1,00 | 1,19 | 1,39 | 1,62 | 1,87 | 1,99 | 2,32 |
| 1700 | 0,17 | 0,29 | 0,41 | 0,56 | 0,90 | 1,10 | 1,33 | 1,54 | 1,80 | 2,07 | 2,21 | 2,56 |
| 1800 | 0,18 | 0,31 | 0,43 | 0,58 | 0,94 | 1,16 | 1,39 | 1,62 | 1,88 | 2,16 | 2,31 | 2,68 |
| 2500 | 0,21 | 0,38 | 0,55 | 0,74 | 1,22 | 1,50 | 1,80 | 2,09 | 2,43 | 2,77 | 2,95 | 3,38 |
| 2900 | 0,22 | 0,41 | 0,60 | 0,83 | 1,37 | 1,68 | 2,01 | 2,33 | 2,69 | 3,06 | 3,24 | 3,67 |
| 3000 | 0,22 | 0,42 | 0,62 | 0,85 | 1,40 | 1,72 | 2,06 | 2,38 | 2,75 | 3,12 | 3,30 | 3,74 |
| 3500 | 0,23 | 0,45 | 0,68 | 0,94 | 1,56 | 1,91 | 2,28 | 2,63 | 3,01 | 3,38 | 3,56 | 3,96 |
| 3600 | 0,23 | 0,46 | 0,69 | 0,95 | 1,59 | 1,95 | 2,32 | 2,67 | 3,06 | 3,43 | 3,60 | 3,99 |
| 4000 | 0,23 | 0,48 | 0,73 | 1,02 | 1,70 | 2,07 | 2,46 | 2,82 | 3,20 | 3,56 | 3,72 | 4,03* |
| 5000 | 0,21 | 0,51 | 0,80 | 1,14 | 1,90 | 2,31 | 2,70 | 3,04 | 3,36 | 3,58* | 3,65* | |
| 6000 | 0,17 | 0,51 | 0,83 | 1,20 | 2,00 | 2,40 | 2,75 | 2,99* | | | | |

P_d (kW) referred to i

| RPM | 1,00+1,01 | 1,02+1,03 | 1,04+1,06 | 1,07+1,08 | 1,09+1,12 | 1,13+1,16 | 1,17+1,22 | 1,23+1,32 | 1,33+1,50 | over 1,51 |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 100 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 | 0,01 | 0,01 | 0,01 |
| 200 | 0,00 | 0,00 | 0,00 | 0,01 | 0,01 | 0,01 | 0,01 | 0,01 | 0,01 | 0,02 |
| 500 | 0,00 | 0,00 | 0,01 | 0,01 | 0,02 | 0,02 | 0,03 | 0,03 | 0,04 | 0,04 |
| 700 | 0,00 | 0,00 | 0,01 | 0,01 | 0,02 | 0,03 | 0,03 | 0,04 | 0,05 | 0,06 |
| 900 | 0,00 | 0,01 | 0,02 | 0,02 | 0,03 | 0,04 | 0,05 | 0,06 | 0,07 | 0,07 |
| 1000 | 0,00 | 0,01 | 0,02 | 0,03 | 0,04 | 0,05 | 0,05 | 0,06 | 0,07 | 0,08 |
| 1400 | 0,00 | 0,01 | 0,03 | 0,04 | 0,05 | 0,06 | 0,08 | 0,09 | 0,10 | 0,11 |
| 1500 | 0,00 | 0,01 | 0,03 | 0,04 | 0,05 | 0,07 | 0,08 | 0,09 | 0,11 | 0,12 |
| 1700 | 0,00 | 0,02 | 0,03 | 0,05 | 0,06 | 0,08 | 0,09 | 0,11 | 0,12 | 0,14 |
| 1800 | 0,00 | 0,02 | 0,03 | 0,05 | 0,06 | 0,08 | 0,10 | 0,11 | 0,13 | 0,15 |
| 2500 | 0,00 | 0,02 | 0,05 | 0,07 | 0,09 | 0,11 | 0,14 | 0,16 | 0,18 | 0,20 |
| 2900 | 0,00 | 0,03 | 0,05 | 0,08 | 0,10 | 0,13 | 0,16 | 0,18 | 0,21 | 0,24 |
| 3000 | 0,00 | 0,03 | 0,06 | 0,08 | 0,11 | 0,14 | 0,16 | 0,19 | 0,22 | 0,25 |
| 3500 | 0,00 | 0,03 | 0,06 | 0,10 | 0,13 | 0,16 | 0,19 | 0,22 | 0,26 | 0,29 |
| 3600 | 0,00 | 0,03 | 0,07 | 0,10 | 0,13 | 0,16 | 0,20 | 0,23 | 0,26 | 0,30 |
| 4000 | 0,00 | 0,04 | 0,07 | 0,11 | 0,14 | 0,18 | 0,22 | 0,25 | 0,29 | 0,33 |
| 5000 | 0,00 | 0,05 | 0,09 | 0,14 | 0,18 | 0,23 | 0,27 | 0,32 | 0,37 | 0,41 |
| 6000 | 0,00 | 0,05 | 0,11 | 0,17 | 0,21 | 0,27 | 0,33 | 0,38 | 0,44 | 0,49 |



A SECTION

| Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | | |
|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|----------|--|-------|--|-------|------|
| A 15 | 382 | A 27 1/2 | 700 | A 36 | 914 | A 43 1/2 | 1105 | A 53 | 1346 | A 69 | 1750 | A 84 | 2134 | A 102 | 2591 | A 136 | 3454 |
| A 18 | 457 | A 28 | 710 | A 36 1/2 | 925 | A 43 3/4 | 1111 | A 53 1/4 | 1355 | A 70 | 1775 | A 85 | 2160 | A 104 | 2650 | A 140 | 3550 |
| A 19 | 480 | A 28 1/2 | 724 | A 37 | 942 | A 44 | 1120 | A 54 | 1372 | A 70 3/4 | 1780 | A 86 | 2187 | A 105 | 2667 | A 144 | 3658 |
| A 20 | 508 | A 29 | 737 | A 37 1/4 | 946 | A 44 1/2 | 1132 | A 55 | 1400 | A 71 | 1800 | A 87 | 2212 | A 107 | 2725 | A 147 | 3737 |
| A 21 | 535 | A 29 1/2 | 750 | A 37 1/2 | 950 | A 45 | 1143 | A 56 | 1422 | A 72 | 1825 | A 88 | 2240 | A 108 | 2743 | A 148 | 3750 |
| A 21 3/4 | 552 | A 30 | 767 | A 38 | 965 | A 45 1/2 | 1150 | A 57 | 1450 | A 73 | 1854 | A 89 | 2267 | A 110 | 2800 | A 155 | 3937 |
| A 22 | 560 | A 30 1/2 | 775 | A 38 1/2 | 975 | A 46 | 1168 | A 58 | 1475 | A 74 | 1880 | A 90 | 2286 | A 112 | 2845 | A 158 | 4000 |
| A 23 | 587 | A 31 | 787 | A 39 | 992 | A 46 1/2 | 1180 | A 59 | 1500 | A 75 | 1900 | A 91 | 2311 | A 113 | 2870 | A 162 | 4115 |
| A 23 1/2 | 600 | A 31 1/2 | 800 | A 39 1/2 | 1000 | A 47 | 1200 | A 60 | 1525 | A 76 | 1930 | A 92 | 2337 | A 114 | 2896 | A 167 | 4250 |
| A 24 | 610 | A 32 | 813 | A 40 | 1016 | A 48 | 1220 | A 61 | 1550 | A 77 | 1956 | A 93 | 2360 | A 116 | 2946 | A 173 | 4394 |
| A 24 1/2 | 620 | A 32 1/2 | 825 | A 40 1/2 | 1030 | A 48 1/4 | 1225 | A 62 | 1575 | A 78 | 1980 | A 94 | 2388 | A 118 | 3000 | A 177 | 4500 |
| A 24 3/4 | 630 | A 33 | 838 | A 41 | 1041 | A 49 | 1250 | A 63 | 1600 | A 79 | 2000 | A 95 | 2413 | A 120 | 3048 | A 180 | 4572 |
| A 25 | 637 | A 33 1/4 | 847 | A 41 1/2 | 1050 | A 50 | 1270 | A 64 | 1625 | A 80 | 2032 | A 96 | 2438 | A 124 | 3150 | A 187 | 4750 |
| A 25 1/2 | 647 | A 33 1/2 | 850 | A 41 3/4 | 1060 | A 51 | 1300 | A 65 | 1650 | A 81 | 2060 | A 97 | 2464 | A 128 | 3250 | A 197 | 5000 |
| A 26 | 660 | A 34 | 867 | A 42 | 1067 | A 51 1/2 | 1307 | A 66 | 1676 | A 82 | 2083 | A 97 1/2 | 2475 | A 130 | 3302 | A 210 | 5334 |
| A 26 1/2 | 670 | A 34 1/2 | 875 | A 42 1/2 | 1075 | A 52 | 1320 | A 67 | 1700 | A 83 | 2100 | A 98 | 2500 | A 132 | 3350 | A 217 | 5477 |
| A 27 | 686 | A 35 | 900 | A 43 | 1100 | A 52 1/2 | 1337 | A 68 | 1725 | A 83 1/2 | 2120 | A 100 | 2540 | A 134 | 3404 | | |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | 71 | 80 | 90 | 100 | 112 | 125 | 132 | 150 | 170 | 190 | 200 | 212 |
|------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| 100 | 0,13 | 0,16 | 0,21 | 0,25 | 0,30 | 0,35 | 0,38 | 0,46 | 0,54 | 0,62 | 0,66 | 0,71 |
| 200 | 0,22 | 0,29 | 0,37 | 0,45 | 0,54 | 0,65 | 0,70 | 0,84 | 0,99 | 1,14 | 1,22 | 1,30 |
| 500 | 0,42 | 0,59 | 0,78 | 0,96 | 1,18 | 1,41 | 1,53 | 1,85 | 2,19 | 2,53 | 2,70 | 2,90 |
| 700 | 0,53 | 0,76 | 1,01 | 1,26 | 1,55 | 1,86 | 2,03 | 2,45 | 2,91 | 3,37 | 3,59 | 3,86 |
| 900 | 0,63 | 0,91 | 1,22 | 1,53 | 1,89 | 2,28 | 2,49 | 3,02 | 3,59 | 4,15 | 4,43 | 4,75 |
| 1000 | 0,67 | 0,98 | 1,32 | 1,66 | 2,06 | 2,49 | 2,71 | 3,29 | 3,91 | 4,52 | 4,82 | 5,18 |
| 1400 | 0,81 | 1,23 | 1,69 | 2,14 | 2,67 | 3,23 | 3,53 | 4,29 | 5,10 | 5,88 | 6,27 | 6,72 |
| 1500 | 0,84 | 1,28 | 1,77 | 2,25 | 2,81 | 3,41 | 3,72 | 4,52 | 5,37 | 6,19 | 6,59 | 7,06 |
| 1700 | 0,89 | 1,38 | 1,93 | 2,46 | 3,08 | 3,74 | 4,08 | 4,96 | 5,89 | 6,77 | 7,20 | 7,70 |
| 1800 | 0,91 | 1,43 | 2,00 | 2,55 | 3,21 | 3,89 | 4,26 | 5,16 | 6,13 | 7,04 | 7,48 | 7,99 |
| 2500 | 1,02 | 1,70 | 2,44 | 3,15 | 3,98 | 4,84 | 5,29 | 6,38 | 7,50 | 8,52 | 8,98 | 9,50 |
| 2900 | 1,04 | 1,81 | 2,63 | 3,42 | 4,32 | 5,25 | 5,73 | 6,88 | 8,02 | 9,00 | 9,42 | 9,87* |
| 3000 | 1,05 | 1,83 | 2,67 | 3,47 | 4,40 | 5,34 | 5,83 | 6,98 | 8,12 | 9,07 | 9,48* | 9,91* |
| 3500 | 1,03 | 1,90 | 2,82 | 3,70 | 4,69 | 5,69 | 6,18 | 7,33 | 8,38 | 9,15* | | |
| 3600 | 1,02 | 1,91 | 2,85 | 3,74 | 4,74 | 5,74 | 6,23 | 7,37 | 8,38* | | | |
| 4000 | 0,97 | 1,91 | 2,90 | 3,84 | 4,86 | 5,86 | 6,34 | 7,40* | | | | |
| 5000 | 0,70 | 1,75 | 2,82 | 3,78 | 4,77 | 5,62* | 5,99* | | | | | |
| 6000 | 0,24 | 1,33 | 2,38 | 3,24* | | | | | | | | |

P_d (kW) referred to i

| RPM | 1,00+1,01 | 1,02+1,03 | 1,04+1,06 | 1,07+1,08 | 1,09+1,12 | 1,13+1,16 | 1,17+1,22 | 1,23+1,32 | 1,33+1,50 | over 1,51 |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 100 | 0,00 | 0,00 | 0,00 | 0,01 | 0,01 | 0,01 | 0,01 | | | |



B SECTION

| Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) |
|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|-----------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|
| B 22 1/2 | 570 | B 35 3/4 | 907 | B 46 1/2 | 1180 | B 64 1/2 | 1642 | B 82 | 2083 | B 101 | 2565 | B 133 | 3378 | B 180 | 4572 |
| B 23 | 587 | B 36 | 917 | B 46 3/4 | 1187 | B 65 | 1650 | B 83 | 2108 | B 102 | 2600 | B 134 | 3407 | B 186 | 4727 |
| B 24 | 612 | B 36 1/2 | 925 | B 47 | 1200 | B 66 | 1676 | B 83 1/2 | 2120 | B 103 | 2616 | B 135 | 3429 | B 187 | 4750 |
| B 25 | 637 | B 36 3/4 | 937 | B 47 1/2 | 1215 | B 66 1/4 | 1682 | B 84 | 2134 | B 104 | 2650 | B 136 | 3450 | B 188 | 4777 |
| B 26 | 650 | B 37 | 942 | B 48 | 1225 | B 66 1/2 | 1692 | B 85 | 2160 | B 105 | 2667 | B 140 | 3550 | B 192 | 4877 |
| B 27 | 686 | B 37 1/2 | 950 | B 49 | 1250 | B 67 | 1700 | B 86 | 2187 | B 106 | 2700 | B 144 | 3658 | B 195 | 4953 |
| B 28 | 710 | B 38 | 965 | B 50 | 1275 | B 67 1/4 | 1712 | B 86 1/2 | 2200 | B 107 | 2718 | B 147 | 3737 | B 197 | 5000 |
| B 28 1/2 | 725 | B 38 1/2 | 975 | B 51 | 1300 | B 68 | 1725 | B 87 | 2215 | B 108 | 2750 | B 148 | 3750 | B 204 | 5182 |
| B 29 | 737 | B 39 | 990 | B 52 | 1320 | B 69 | 1750 | B 88 | 2240 | B 110 | 2800 | B 151 | 3850 | B 208 | 5300 |
| B 29 1/2 | 750 | B 39 1/2 | 1000 | B 53 | 1350 | B 69 1/2 | 1761 | B 89 | 2261 | B 112 | 2845 | B 152 | 3861 | B 210 | 5334 |
| B 30 | 762 | B 40 | 1016 | B 53 1/2 | 1360 | B 70 | 1775 | B 90 | 2286 | B 112 1/2 | 2857 | B 154 | 3912 | B 217 | 5507 |
| B 30 1/2 | 775 | B 40 1/2 | 1030 | B 54 | 1372 | B 71 | 1800 | B 91 | 2312 | B 114 | 2900 | B 155 | 3950 | B 221 | 5577 |
| B 31 | 787 | B 41 | 1040 | B 55 | 1400 | B 72 | 1829 | B 92 | 2337 | B 115 | 2921 | B 157 | 3987 | B 223 | 5632 |
| B 31 1/2 | 800 | B 41 1/2 | 1050 | B 55 1/2 | 1412 | B 73 | 1850 | B 93 | 2360 | B 116 | 2950 | B 158 | 4000 | B 224 | 5657 |
| B 32 | 812 | B 41 3/4 | 1060 | B 56 | 1422 | B 74 | 1880 | B 94 | 2388 | B 118 | 3000 | B 161 | 4087 | B 225 | 5682 |
| B 32 1/4 | 822 | B 42 | 1067 | B 57 | 1450 | B 75 | 1900 | B 95 | 2413 | B 120 | 3048 | B 162 | 4115 | B 228 | 5757 |
| B 32 1/2 | 825 | B 42 1/2 | 1075 | B 58 | 1473 | B 76 | 1930 | B 96 | 2438 | B 124 | 3150 | B 163 | 4142 | B 229 | 5782 |
| B 33 | 838 | B 43 | 1090 | B 59 | 1500 | B 77 | 1950 | B 96 1/2 | 2450 | B 126 | 3200 | B 165 | 4200 | B 237 | 6000 |
| B 33 1/2 | 850 | B 43 1/2 | 1100 | B 60 | 1525 | B 78 | 1981 | B 97 | 2465 | B 127 | 3227 | B 167 | 4250 | B 240 | 6062 |
| B 34 | 867 | B 44 | 1120 | B 61 | 1550 | B 79 | 2000 | B 97 1/2 | 2477 | B 128 | 3250 | B 168 | 4267 | B 248 | 6267 |
| B 34 1/2 | 875 | B 44 1/4 | 1127 | B 62 | 1575 | B 80 | 2032 | B 98 | 2500 | B 130 | 3302 | B 173 | 4394 | B 249 | 6287 |
| B 35 | 889 | B 45 | 1142 | B 63 | 1600 | B 80 3/4 | 2050 | B 99 | 2515 | B 131 | 3327 | B 175 | 4450 | B 253 | 6392 |
| B 35 1/2 | 900 | B 46 | 1175 | B 64 | 1625 | B 81 | 2060 | B 100 | 2540 | B 132 | 3350 | B 177 | 4500 | B 255 | 6442 |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | 112 | 118 | 132 | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 265 | 280 |
|------|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|
| 100 | 0,34 | 0,38 | 0,47 | 0,52 | 0,59 | 0,65 | 0,78 | 0,91 | 1,06 | 1,22 | 1,31 | 1,40 |
| 200 | 0,60 | 0,67 | 0,84 | 0,94 | 1,06 | 1,18 | 1,42 | 1,66 | 1,94 | 2,24 | 2,41 | 2,59 |
| 500 | 1,20 | 1,37 | 1,77 | 1,99 | 2,27 | 2,54 | 3,09 | 3,62 | 4,26 | 4,93 | 5,32 | 5,70 |
| 700 | 1,53 | 1,76 | 2,29 | 2,59 | 2,97 | 3,33 | 4,06 | 4,78 | 5,63 | 6,52 | 7,03 | 7,54 |
| 900 | 1,82 | 2,11 | 2,77 | 3,14 | 3,60 | 4,06 | 4,96 | 5,85 | 6,88 | 7,97 | 8,59 | 9,20 |
| 1000 | 1,95 | 2,27 | 2,99 | 3,40 | 3,90 | 4,40 | 5,38 | 6,34 | 7,47 | 8,65 | 9,31 | 9,96 |
| 1400 | 2,40 | 2,82 | 3,77 | 4,31 | 4,97 | 5,62 | 6,89 | 8,12 | 9,53 | 10,98 | 11,78 | 12,55 |
| 1500 | 2,49 | 2,93 | 3,94 | 4,51 | 5,21 | 5,89 | 7,22 | 8,51 | 9,97 | 11,47 | 12,29 | 13,07 |
| 1700 | 2,66 | 3,15 | 4,26 | 4,88 | 5,64 | 6,39 | 7,83 | 9,21 | 10,76 | 12,32 | 13,16 | 13,95 |
| 1800 | 2,73 | 3,24 | 4,40 | 5,05 | 5,84 | 6,62 | 8,11 | 9,52 | 11,11 | 12,68 | 13,52 | 14,29 |
| 2500 | 3,05 | 3,69 | 5,12 | 5,91 | 6,86 | 7,77 | 9,45 | 10,96 | 12,50 | 13,82* | 14,40* | |
| 2900 | 3,07 | 3,76 | 5,30 | 6,13 | 7,12 | 8,05 | 9,71 | 11,10* | 12,37* | | | |
| 3000 | 3,06 | 3,76 | 5,32 | 6,16 | 7,15 | 8,07 | 9,71 | 11,05* | | | | |
| 3500 | 2,87 | 3,61 | 5,22 | 6,06 | 7,02 | 7,89 | 9,29* | | | | | |
| 3600 | 2,81 | 3,55 | 5,16 | 6,00 | 6,94 | 7,79 | 9,12* | | | | | |
| 4000 | 2,47 | 3,22 | 4,80 | 5,58 | 6,44* | 7,15* | | | | | | |
| 4500 | 1,85 | 2,57 | 4,01* | 4,68* | | | | | | | | |
| 5000 | 0,97 | 1,63* | 2,84* | | | | | | | | | |

P_d (kW) referred to i

| RPM | i | 1,00+1,01 | 1,02+1,03 | 1,04+1,06 | 1,07+1,08 | 1,09+1,12 | 1,13+1,16 | 1,17+1,22 | 1,23+1,32 | 1,33+1,50 | over 1,51 |
|------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 100 | 0,00 | 0,00 | 0,01 | 0,01 | 0,01 | 0,02 | 0,02 | 0,03 | 0,03 | 0,04 | 0,04 |
| 200 | 0,00 | 0,01 | 0,02 | 0,03 | 0,04 | 0,04 | 0,04 | 0,05 | 0,06 | 0,07 | 0,08 |
| 500 | 0,00 | 0,02 | 0,04 | 0,07 | 0,09 | 0,11 | 0,13 | 0,16 | 0,18 | 0,20 | |
| 700 | 0,00 | 0,03 | 0,06 | 0,09 | 0,12 | 0,15 | 0,19 | 0,22 | 0,25 | 0,28 | |
| 900 | 0,00 | 0,04 | 0,08 | 0,12 | 0,16 | 0,20 | 0,24 | 0,28 | 0,32 | 0,36 | |
| 1000 | 0,00 | 0,04 | 0,09 | 0,13 | 0,18 | 0,22 | 0,27 | 0,31 | 0,35 | 0,40 | |
| 1400 | 0,00 | 0,06 | 0,12 | 0,19 | 0,25 | 0,31 | 0,37 | 0,43 | 0,49 | 0,56 | |
| 1500 | 0,00 | 0,07 | 0,13 | 0,20 | 0,26 | 0,33 | 0,40 | 0,47 | 0,53 | 0,59 | |
| 1700 | 0,00 | 0,07 | 0,15 | 0,23 | 0,30 | 0,37 | 0,45 | 0,53 | 0,60 | 0,67 | |
| 1800 | 0,00 | 0,08 | 0,16 | 0,24 | 0,32 | 0,40 | 0,48 | 0,56 | 0,64 | 0,71 | |
| 2500 | 0,00 | 0,11 | 0,22 | 0,33 | 0,44 | 0,55 | 0,66 | 0,78 | 0,88 | 0,99 | |
| 2900 | 0,00 | 0,13 | 0,26 | 0,38 | 0,51 | 0,64 | 0,77 | 0,90 | 1,02 | 1,15 | |
| 3000 | 0,00 | 0,13 | 0,26 | 0,40 | 0,53 | 0,66 | 0,80 | 0,93 | 1,06 | 1,19 | |
| 3500 | 0,00 | 0,15 | 0,31 | 0,46 | 0,62 | 0,77 | 0,93 | 1,09 | 1,24 | 1,39 | |
| 3600 | 0,00 | 0,16 | 0,32 | 0,48 | 0,63 | 0,79 | 0,96 | 1,12 | 1,27 | 1,43 | |
| 4000 | 0,00 | 0,18 | 0,35 | 0,53 | 0,70 | 0,88 | 1,06 | 1,24 | 1,41 | 1,59 | |
| 4500 | 0,00 | 0,20 | 0,40 | 0,60 | 0,79 | 0,99 | 1,20 | 1,40 | 1,59 | 1,78 | |
| 5000 | 0,00 | 0,22 | 0,44 | 0,66 | 0,88 | 1,10 | 1,33 | 1,55 | 1,76 | 1,98 | |



* Belt speed is greater than 30 m/s then is necessary to use dynamically balanced pulleys. A reduction in belt life can be expected. Suggested a smaller section.



C SECTION

Table listing various pulley codes (C 33 3/4 to C 56) with their corresponding internal lengths (L1 in mm).

TABLE 4 - P_b (kW) referred to d (mm)

P_d (kW) referred to i

Table showing power transmission capacity (P_b in kW) for pulley section C across different RPM ranges and diameters.

Table showing power transmission capacity (P_d in kW) for pulley section C across different RPM ranges and diameters.



D SECTION

Table listing various pulley codes (D 98 to D 240) with their corresponding internal lengths (L1 in mm).

TABLE 4 - P_b (kW) referred to d (mm)

P_d (kW) referred to i

Table showing power transmission capacity (P_b in kW) for pulley section D across different RPM ranges and diameters.

Table showing power transmission capacity (P_d in kW) for pulley section D across different RPM ranges and diameters.

* Belt speed is greater than 30 m/s then is necessary to use dynamically balanced pulleys. A reduction in belt life can be expected. Suggested a smaller section.



E SECTION

| Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | | |
|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------|
| E 180 | 4575 | E 220 | 5600 | E 248 | 6220 | E 280 | 7100 | E 300 | 7540 | E 345 | 8685 | E 394 | 9930 | E 480 | 12115 | E 600 | 15160 |
| E 197 | 5000 | E 226 | 5660 | E 255 | 6400 | E 285 | 7160 | E 316 | 7950 | E 354 | 9000 | E 420 | 10600 | E 492 | 12500 | | |
| E 210 | 5335 | E 240 | 6015 | E 270 | 6780 | E 295 | 7500 | E 330 | 8305 | E 360 | 9065 | E 441 | 11200 | E 540 | 13635 | | |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | mm | 450 | 500 | 560 | 630 | 710 | 800 | 900 | 1000 | 1120 | 1250 |
|------|----|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| 50 | | 3,29 | 3,88 | 4,58 | 5,39 | 6,31 | 7,32 | 8,44 | 9,55 | 10,87 | 12,28 |
| 100 | | 5,97 | 7,08 | 8,39 | 9,91 | 11,63 | 13,53 | 15,62 | 17,68 | 20,12 | 22,72 |
| 150 | | 8,41 | 10,00 | 11,89 | 14,07 | 16,53 | 19,25 | 22,22 | 25,14 | 28,58 | 32,23 |
| 200 | | 10,67 | 12,73 | 15,17 | 17,97 | 21,12 | 24,59 | 28,36 | 32,05 | 36,36 | 40,88 |
| 250 | | 12,80 | 15,30 | 18,25 | 21,64 | 25,42 | 29,58 | 34,06 | 38,41 | 43,43 | 48,63 |
| 300 | | 14,80 | 17,72 | 21,16 | 25,08 | 29,45 | 34,21 | 39,31 | 44,19 | 49,75 | 55,40 |
| 400 | | 18,47 | 22,15 | 26,46 | 31,33 | 36,66 | 42,37 | 48,33 | 53,85 | 59,85 | 65,54 |
| 500 | | 21,69 | 26,04 | 31,06 | 36,65 | 42,66 | 48,90 | 55,14 | 60,59 | 65,99 | 70,32* |
| 600 | | 24,46 | 29,35 | 34,91 | 40,97 | 47,29 | 53,56 | 59,39 | 63,91* | | |
| 700 | | 26,76 | 32,04 | 37,94 | 44,18 | 50,39 | 56,10 | 60,69* | | | |
| 750 | | 27,71 | 33,14 | 39,12 | 45,33 | 51,31 | 56,49* | | | | |
| 900 | | 29,77 | 35,35 | 41,20 | 46,75 | 51,25* | | | | | |
| 1000 | | 30,40 | 35,85 | 41,26 | 45,85* | | | | | | |
| 1100 | | 30,40 | 35,50 | 40,14* | | | | | | | |
| 1200 | | 29,71 | 34,23* | | | | | | | | |
| 1300 | | 28,28* | 31,96* | | | | | | | | |
| 1400 | | 26,07* | | | | | | | | | |
| 1450 | | 24,65* | | | | | | | | | |

P_d (kW) referred to i

| RPM | i | 1,00+1,01 | 1,02+1,03 | 1,04+1,06 | 1,07+1,08 | 1,09+1,12 | 1,13+1,16 | 1,17+1,22 | 1,23+1,32 | 1,33+1,50 | over 1,51 |
|------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 50 | 0,00 | 0,02 | 0,05 | 0,07 | 0,09 | 0,12 | 0,14 | 0,17 | 0,19 | 0,21 | 0,23 |
| 100 | 0,00 | 0,05 | 0,09 | 0,14 | 0,19 | 0,24 | 0,29 | 0,33 | 0,38 | 0,43 | 0,47 |
| 150 | 0,00 | 0,07 | 0,14 | 0,21 | 0,28 | 0,35 | 0,43 | 0,50 | 0,57 | 0,64 | 0,70 |
| 200 | 0,00 | 0,09 | 0,19 | 0,28 | 0,38 | 0,47 | 0,57 | 0,67 | 0,76 | 0,85 | 0,94 |
| 250 | 0,00 | 0,12 | 0,24 | 0,36 | 0,47 | 0,59 | 0,71 | 0,83 | 0,95 | 1,06 | 1,17 |
| 300 | 0,00 | 0,14 | 0,28 | 0,43 | 0,57 | 0,71 | 0,86 | 1,00 | 1,14 | 1,28 | 1,43 |
| 400 | 0,00 | 0,19 | 0,38 | 0,57 | 0,76 | 0,94 | 1,14 | 1,33 | 1,51 | 1,70 | 1,90 |
| 500 | 0,00 | 0,24 | 0,47 | 0,71 | 0,94 | 1,18 | 1,43 | 1,66 | 1,89 | 2,13 | 2,40 |
| 600 | 0,00 | 0,28 | 0,57 | 0,85 | 1,13 | 1,42 | 1,71 | 2,00 | 2,27 | 2,55 | 2,87 |
| 700 | 0,00 | 0,33 | 0,66 | 1,00 | 1,32 | 1,65 | 2,00 | 2,33 | 2,65 | 2,98 | 3,36 |
| 750 | 0,00 | 0,35 | 0,71 | 1,07 | 1,42 | 1,77 | 2,14 | 2,50 | 2,84 | 3,19 | 3,59 |
| 900 | 0,00 | 0,42 | 0,85 | 1,28 | 1,70 | 2,12 | 2,57 | 2,99 | 3,41 | 3,83 | 4,30 |
| 1000 | 0,00 | 0,47 | 0,95 | 1,42 | 1,89 | 2,36 | 2,85 | 3,33 | 3,79 | 4,25 | 4,74 |
| 1100 | 0,00 | 0,52 | 1,04 | 1,56 | 2,08 | 2,60 | 3,14 | 3,66 | 4,17 | 4,68 | 5,24 |
| 1200 | 0,00 | 0,56 | 1,14 | 1,71 | 2,27 | 2,83 | 3,42 | 3,99 | 4,54 | 5,11 | 5,71 |
| 1300 | 0,00 | 0,61 | 1,23 | 1,85 | 2,46 | 3,07 | 3,71 | 4,32 | 4,92 | 5,53 | 6,17 |
| 1400 | 0,00 | 0,66 | 1,32 | 1,99 | 2,64 | 3,30 | 3,99 | 4,66 | 5,30 | 5,96 | 6,65 |
| 1450 | 0,00 | 0,68 | 1,37 | 2,06 | 2,74 | 3,42 | 4,14 | 4,82 | 5,49 | 6,17 | 6,90 |



20 SECTION

| Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) |
|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|
| 20 | 1800 | 20 | 1950 | 20 | 2200 | 20 | 2600 | 20 | 3150 | 20 | 3550 | 20 | 4250 | 20 | 5300 |
| 20 | 1875 | 20 | 2000 | 20 | 2240 | 20 | 2650 | 20 | 3250 | 20 | 3650 | 20 | 4500 | 20 | 5600 |
| 20 | 1900 | 20 | 2050 | 20 | 2360 | 20 | 2800 | 20 | 3350 | 20 | 3750 | 20 | 4750 | 20 | 6000 |
| 20 | 1925 | 20 | 2120 | 20 | 2500 | 20 | 3000 | 20 | 3450 | 20 | 4000 | 20 | 5000 | | |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | mm | 140 | 160 | 180 | 200 | 224 | 236 | 250 | 280 | 315 | 355 |
|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 50 | 0,34 | 0,41 | 0,49 | 0,56 | 0,64 | 0,68 | 0,73 | 0,84 | 0,96 | 1,09 | 1,27 |
| 100 | 0,6 | 0,73 | 0,88 | 1,01 | 1,16 | 1,24 | 1,34 | 1,52 | 1,74 | 1,99 | 2,29 |
| 200 | 1,05 | 1,31 | 1,55 | 1,79 | 2,08 | 2,22 | 2,39 | 2,73 | 3,13 | 3,58 | 4,10 |
| 400 | 1,79 | 2,24 | 2,69 | 3,13 | 3,64 | 3,9 | 4,19 | 4,81 | 5,52 | 6,3 | 7,25 |
| 600 | 2,4 | 3,04 | 3,66 | 4,27 | 4,99 | 5,34 | 5,74 | 6,6 | 7,56 | 8,61 | 9,87 |
| 700 | 2,67 | 3,4 | 4,1 | 4,79 | 5,6 | 5,99 | 6,45 | 7,4 | 8,47 | 9,63 | 11,00 |
| 800 | 2,92 | 3,72 | 4,51 | 5,27 | 6,16 | 6,6 | 7,1 | 8,14 | 9,29 | 10,55 | 12,00 |
| 900 | 3,15 | 4,04 | 4,9 | 5,73 | 6,7 | 7,17 | 7,71 | 8,82 | 10,06 | 11,38 | 12,90 |
| 1000 | 3,38 | 4,34 | 5,25 | 6,15 | 7,19 | 7,7 | 8,27 | 9,46 | 10,75 | 12,11 | 13,70 |
| 1200 | 3,76 | 4,86 | 5,91 | 6,92 | 8,08 | 8,63 | 9,26 | 10,54 | 11,89 | 13,27 | 14,95 |
| 1400 | 4,09 | 5,3 | 6,47 | 7,56 | 8,81 | 9,39 | 10,06 | 11,37 | 12,71 | 13,97 | 15,75 |
| 1600 | 4,36 | 5,68 | 6,93 | 8,09 | 9,38 | 10 | 10,66 | 11,94 | 13,17 | 14,2 | 15,7 |
| 1800 | 4,57 | 6,04 | 7,28 | 8,5 | 9,8 | 10,4 | 11,05 | 12,23 | 13,24 | 13,89 | 15,1 |
| 2000 | 4,73 | 6,2 | 7,55 | 8,77 | 10,05 | 10,62 | 11,2 | 12,21 | 12,89 | 12,99 | 14,1 |
| 2300 | 4,86 | 6,39 | 7,74 | 8,93 | 10,08 | 10,54 | 10,99 | 11,55 | | | |
| 2600 | 4,85 | 6,39 | 7,69 | 8,74 | 9,65 | 9,95 | | | | | |
| 2900 | 4,68 | 6,18 | 7,36 | 8,2 | 8,74 | | | | | | |
| 3000 | 4,6 | 6,07 | 7,19 | 7,95 | 8,31 | | | | | | |

P_d (kW) referred to i

| RPM | i | 1,00+1,01 | 1,02+1,03 | 1,04+1,06 | 1,07+1,08 | 1,09+1,12 | 1,13+1,16 | 1,17+1,22 | 1,23+1,32 | 1,33+1,50 | over 1,51 |
|------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 50 | 0,00 | 0,00 | 0,01 | 0,01 | 0,02 | 0,02 | 0,03 | 0,03 | 0,04 | 0,04 | 0,04 |
| 100 | 0,00 | 0,01 | 0,02 | 0,03 | 0,04 | 0,05 | 0,05 | 0,06 | 0,07 | 0,07 | 0,07 |
| 200 | 0,00 | 0,02 | 0,04 | 0,05 | 0,07 | 0,09 | 0,1 | 0,12 | 0,14 | 0,15 | 0,15 |
| 400 | 0,00 | 0,04 | 0,07 | 0,1 | 0,14 | 0,17 | 0,21 | 0,23 | 0,27 | 0,31 | 0,31 |
| 600 | 0,00 | 0,05 | 0,1 | 0,15 | 0,21 | 0,26 | 0,31 | 0,36 | 0,41 | 0,46 | 0,46 |
| 700 | 0,00 | 0,06 | 0,12 | 0,18 | 0,24 | 0,3 | 0,36 | 0,41 | 0,48 | 0,53 | 0,53 |
| 800 | 0,00 | 0,07 | 0,14 | 0,21 | 0,27 | 0,34 | 0,41 | 0,48 | 0,54 | 0,61 | 0,61 |
| 900 | 0,00 | 0,08 | 0,15 | 0,23 | 0,31 | 0,39 | 0,46 | 0,54 | 0,61 | 0,68 | 0,68 |
| 1000 | 0,00 | 0,08 | 0,17 | 0,26 | 0,34 | 0,43 | 0,51 | 0,59 | 0,68 | 0,77 | 0,77 |
| 1200 | 0,00 | 0,1 | 0,21 | 0,31 | 0,41 | 0,52 | 0,61 | 0,72 | 0,82 | 0,92 | 0,92 |
| 1400 | 0,00 | 0,12 | 0,24 | 0,36 | 0,48 | 0,6 | 0,71 | 0,84 | 0,95 | 1,07 | 1,07 |
| 1600 | 0,00 | 0,14 | 0,27 | 0,41 | 0,55 | 0,68 | 0,81 | 0,95 | 1,08 | 1,22 | 1,22 |
| 1800 | 0,00 | 0,15 | 0,31 | 0,47 | 0,61 | 0,77 | 0,92 | 1,07 | 1,22 | 1,38 | 1,38 |
| 2000 | 0,00 | 0,17 | 0,34 | 0,51 | 0,68 | 0,86 | 1,02 | 1,19 | 1,36 | 1,53 | 1,53 |
| 2300 | 0,00 | 0,2 | 0,39 | 0,59 | 0,79 | 0,98 | 1,17 | 1,37 | 1,56 | 1,76 | 1,76 |
| 2600 | 0,00 | 0,22 | 0,44 | 0,67 | 0,89 | 1,11 | 1,32 | 1,55 | 1,77 | 1,99 | 1,99 |
| 2900 | 0,00 | 0,24 | 0,5 | 0,75 | 0,99 | 1,24 | 1,48 | 1,73 | 1,97 | 2,21 | 2,21 |
| 3000 | 0,00 | 0,25 | 0,51 | 0,77 | 1,03 | 1,29 | 1,53 | 1,79 | 2,04 | 2,3 | 2,3 |

* Belt speed is greater than 30 m/s then is necessary to use dynamically balanced pulleys. A reduction in belt life can be expected. Suggested a smaller section.



25 SECTION

| Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) |
|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|
| 25 | 1800 | 25 | 2120 | 25 | 2450 | 25 | 2950 | 25 | 3550 | 25 | 4450 | 25 | 5600 | 25 | 6700 |
| 25 | 1900 | 25 | 2200 | 25 | 2500 | 25 | 3000 | 25 | 3750 | 25 | 4500 | 25 | 5700 | 25 | 7100 |
| 25 | 1950 | 25 | 2240 | 25 | 2650 | 25 | 3150 | 25 | 3950 | 25 | 4750 | 25 | 6000 | 25 | 7500 |
| 25 | 2000 | 25 | 2325 | 25 | 2700 | 25 | 3300 | 25 | 4000 | 25 | 5000 | 25 | 6300 | 25 | 8000 |
| 25 | 2050 | 25 | 2360 | 25 | 2800 | 25 | 3350 | 25 | 4250 | 25 | 5300 | 25 | 6500 | 25 | 8500 |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | 224 | 236 | 250 | 280 | 315 | 335 | 400 | 450 | 500 | 560 |
|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 50 | 0,71 | 0,8 | 0,88 | 1,06 | 1,28 | 1,52 | 1,8 | 2,09 | 2,39 | 2,74 |
| 100 | 1,29 | 1,43 | 1,59 | 1,94 | 2,35 | 2,81 | 3,32 | 3,88 | 4,44 | 5,09 |
| 200 | 2,25 | 2,53 | 2,79 | 3,5 | 4,25 | 5,12 | 6,07 | 7,12 | 8,15 | 9,37 |
| 400 | 3,88 | 4,38 | 4,96 | 6,17 | 7,58 | 9,15 | 10,89 | 12,78 | 14,62 | 16,77 |
| 600 | 5,21 | 5,92 | 6,73 | 8,46 | 10,41 | 12,6 | 14,98 | 17,52 | 19,96 | 22,74 |
| 800 | 6,22 | 7,2 | 0,34 | 10,38 | 12,81 | 15,48 | 18,33 | 21,3 | 24,04 | 27,02 |
| 900 | 6,78 | 7,75 | 8,87 | 11,22 | 13,84 | 16,69 | 19,7 | 22,77 | 25,54 | 28,43 |
| 1000 | 7,19 | 8,24 | 9,45 | 11,95 | 14,75 | 17,74 | 20,84 | 23,94 | 26,63 | 29,29 |
| 1200 | 7,84 | 9,13 | 10,37 | 12,13 | 16,17 | 19,31 | 22,41 | 25,29 | 27,5 | 29,18 |
| 1400 | 8,25 | 9,54 | 10,99 | 13,92 | 17,02 | 20,09 | 22,91 | 25,13 | | |
| 1500 | 8,36 | 9,68 | 11,17 | 14,15 | 17,22 | 20,18 | 22,71 | 24,44 | | |
| 1600 | 8,4 | 9,75 | 11,26 | 14,24 | 17,25 | 20,01 | | | | |
| 1700 | 8,37 | 9,74 | 11,26 | 14,22 | 17,11 | 19,61 | | | | |
| 1800 | 8,27 | 9,65 | 11,16 | 14,06 | 16,78 | | | | | |
| 2000 | 7,85 | 9,21 | 10,67 | 13,32 | 15,56 | | | | | |
| 2200 | 7,11 | 8,39 | 9,73 | 12 | | | | | | |
| 2400 | 6,02 | 7,18 | 8,33 | | | | | | | |
| 2500 | 5,33 | 6,42 | 7,45 | | | | | | | |

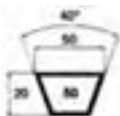
P_d (kW) referred to i

| RPM | i | 1,00±1,01 | 1,02±1,03 | 1,04±1,06 | 1,07±1,08 | 1,09±1,12 | 1,13±1,16 | 1,17±1,22 | 1,23±1,32 | 1,33±1,50 | over 1,51 |
|------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 50 | 0,00 | 0,01 | 0,01 | 0,02 | 0,02 | 0,03 | 0,03 | 0,04 | 0,04 | 0,04 | 0,04 |
| 100 | 0,00 | 0,01 | 0,02 | 0,03 | 0,04 | 0,06 | 0,07 | 0,08 | 0,09 | 0,09 | 0,09 |
| 200 | 0,00 | 0,02 | 0,04 | 0,07 | 0,09 | 0,11 | 0,12 | 0,14 | 0,17 | 0,19 | 0,19 |
| 400 | 0,00 | 0,04 | 0,09 | 0,12 | 0,17 | 0,21 | 0,25 | 0,29 | 0,33 | 0,37 | 0,37 |
| 600 | 0,00 | 0,07 | 0,12 | 0,19 | 0,25 | 0,32 | 0,37 | 0,44 | 0,5 | 0,56 | 0,56 |
| 800 | 0,00 | 0,08 | 0,14 | 0,22 | 0,3 | 0,36 | 0,44 | 0,51 | 0,58 | 0,65 | 0,65 |
| 900 | 0,00 | 0,09 | 0,17 | 0,25 | 0,33 | 0,42 | 0,5 | 0,58 | 0,66 | 0,75 | 0,75 |
| 1000 | 0,00 | 0,1 | 0,19 | 0,29 | 0,37 | 0,47 | 0,56 | 0,66 | 0,75 | 0,84 | 0,84 |
| 1200 | 0,00 | 0,1 | 0,21 | 0,32 | 0,42 | 0,53 | 0,63 | 0,73 | 0,84 | 0,94 | 0,94 |
| 1400 | 0,00 | 0,14 | 0,3 | 0,44 | 0,58 | 0,74 | 0,87 | 1,02 | 1,17 | 1,31 | 1,31 |
| 1500 | 0,00 | 0,15 | 0,32 | 0,47 | 0,63 | 0,78 | 0,94 | 1,09 | 1,24 | 1,4 | 1,4 |
| 1600 | 0,00 | 0,17 | 0,33 | 0,51 | 0,67 | 0,84 | 0,99 | 1,17 | 1,32 | 1,49 | 1,49 |
| 1700 | 0,00 | 0,18 | 0,35 | 0,54 | 0,72 | 0,89 | 1,06 | 1,24 | 1,41 | 1,58 | 1,58 |
| 1800 | 0,00 | 0,19 | 0,37 | 0,57 | 0,75 | 0,95 | 1,12 | 1,31 | 1,5 | 1,68 | 1,68 |
| 2000 | 0,00 | 0,21 | 0,42 | 0,63 | 0,84 | 1,05 | 1,24 | 1,45 | 1,66 | 1,87 | 1,87 |
| 2200 | 0,00 | 0,23 | 0,46 | 0,69 | 0,92 | 1,15 | 1,37 | 1,6 | 1,83 | 2,05 | 2,05 |
| 2400 | 0,00 | 0,25 | 0,51 | 0,76 | 1,00 | 1,26 | 1,5 | 1,75 | 2,00 | 2,24 | 2,24 |
| 2500 | 0,00 | 0,26 | 0,53 | 0,79 | 1,05 | 1,31 | 1,56 | 1,83 | 2,08 | 2,33 | 2,33 |



45 SECTION

| Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) |
|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|
| 45 | 2000 | 45 | 2500 | 45 | 2750 | 45 | 3000 | 45 | 3250 | 45 | 3500 | 45 | 4000 | | |
| 45 | 2300 | 45 | 2650 | 45 | 2850 | 45 | 3150 | 45 | 3300 | 45 | 3750 | | | | |



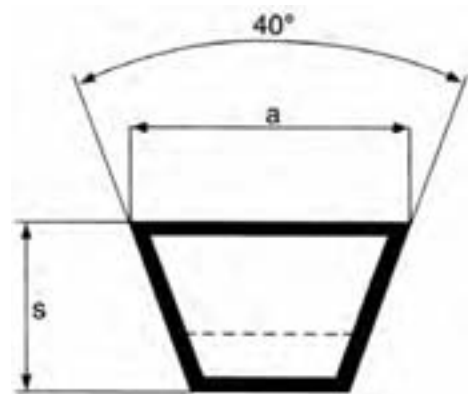
50 SECTION

| Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) | Code | Internal length L _i (mm) |
|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|
| 50 | 2000 | 50 | 2150 | 50 | 2500 | 50 | 2750 | 50 | 2870 | 50 | 3150 | 50 | 4000 | 50 | 3670 |
| 50 | 2050 | 50 | 2300 | 50 | 2650 | 50 | 2850 | 50 | 3000 | 50 | 3250 | 50 | 3500 | 50 | 3750 |
| | | | | | | | | | | | | | | 50 | 4000 |



GOLD LABEL COG BELT

| section | AX | BX | CX | DX |
|---|---------------------------|-----|-----|-----|
| a (mm) | 13 | 17 | 22 | 32 |
| s (mm) | 8 | 11 | 14 | 19 |
| pitch length - internal length = Δ_i (mm) | 33 | 43 | 62 | 76 |
| external length - pitch length = Δ_e (mm) | 17 | 26 | 26 | 43 |
| weight (gr/m) | 114 | 162 | 297 | 584 |
| min. pulley diam. (mm) | 63 | 90 | 140 | 210 |
| working temperature | -30°C ÷ +90°C | | | |
| relevant standards | RMA/MPTA IP20 - DIN 2215 | | | |
| materials | CR blend - polyester cord | | | |



NEW AND IMPROVED POWER WEDGE COG BELT

Higher power ratings and greater design flexibility: the new Gold Label Cog Belt can reduce space, weight and drive costs, transmitting a higher torque with less slippage and reducing energy costs. The Power Wedge Cog Belt is heat and oil resistant.



- Higher power ratings
- Longer life
- Improved dimensional control/matching
- High efficiency molded cogs
- Improved belt flexibility, reduced bending stress
- Improved wedging, less slip
- Smooth running
- More tolerant of low tension
- More energy savings
- Controlled response to shock loads



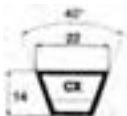
AX SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|
| AX 21 | 585 | AX 31 | 850 | AX 41 | 1095 | AX 51 | 1350 | AX 61 | 1600 | AX 71 | 1865 | AX 81 | 2120 | AX 91 | 2360 | AX 105 | 2730 |
| AX 22 | 610 | AX 32 | 865 | AX 42 | 1120 | AX 52 | 1375 | AX 62 | 1630 | AX 72 | 1890 | AX 82 | 2140 | AX 92 | 2390 | AX 110 | 2850 |
| AX 23 | 635 | AX 33 | 900 | AX 43 | 1150 | AX 53 | 1400 | AX 63 | 1655 | AX 73 | 1905 | AX 83 | 2160 | AX 93 | 2420 | AX 112 | 2910 |
| AX 24 | 665 | AX 34 | 915 | AX 44 | 1170 | AX 54 | 1425 | AX 64 | 1680 | AX 74 | 1935 | AX 84 | 2190 | AX 94 | 2440 | AX 120 | 3110 |
| AX 25 | 690 | AX 35 | 950 | AX 45 | 1195 | AX 55 | 1450 | AX 65 | 1710 | AX 75 | 1965 | AX 85 | 2220 | AX 95 | 2470 | AX 128 | 3310 |
| AX 26 | 710 | AX 36 | 965 | AX 46 | 1230 | AX 56 | 1475 | AX 66 | 1730 | AX 76 | 1985 | AX 86 | 2240 | AX 96 | 2500 | AX 136 | 3510 |
| AX 27 | 750 | AX 37 | 1000 | AX 47 | 1245 | AX 57 | 1500 | AX 67 | 1760 | AX 77 | 2010 | AX 87 | 2260 | AX 97 | 2520 | AX 144 | 3710 |
| AX 28 | 765 | AX 38 | 1020 | AX 48 | 1270 | AX 58 | 1525 | AX 68 | 1790 | AX 78 | 2030 | AX 88 | 2290 | AX 98 | 2540 | AX 158 | 4070 |
| AX 29 | 800 | AX 39 | 1045 | AX 49 | 1300 | AX 59 | 1550 | AX 69 | 1810 | AX 79 | 2060 | AX 89 | 2310 | AX 100 | 2600 | AX 173 | 4450 |
| AX 30 | 815 | AX 40 | 1075 | AX 50 | 1325 | AX 60 | 1585 | AX 70 | 1830 | AX 80 | 2080 | AX 90 | 2350 | AX 103 | 2670 | AX 180 | 4620 |



BX SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|
| BX 28 | 785 | BX 44 | 1190 | BX 55 | 1470 | BX 66 | 1750 | BX 77 | 2030 | BX 88 | 2310 | BX 99 | 2590 | BX 123 | 3200 | BX 158 | 4090 |
| BX 30 | 835 | BX 45 | 1215 | BX 56 | 1500 | BX 67 | 1775 | BX 78 | 2050 | BX 89 | 2330 | BX 100 | 2620 | BX 124 | 3220 | BX 162 | 4200 |
| BX 32 | 885 | BX 46 | 1250 | BX 57 | 1520 | BX 68 | 1800 | BX 79 | 2080 | BX 90 | 2360 | BX 103 | 2690 | BX 126 | 3270 | BX 173 | 4480 |
| BX 34 | 935 | BX 47 | 1265 | BX 58 | 1545 | BX 69 | 1825 | BX 80 | 2110 | BX 91 | 2390 | BX 105 | 2740 | BX 128 | 3330 | BX 180 | 4650 |
| BX 35 | 960 | BX 48 | 1295 | BX 59 | 1570 | BX 70 | 1850 | BX 81 | 2130 | BX 92 | 2410 | BX 106 | 2770 | BX 133 | 3450 | BX 191 | 4930 |
| BX 36 | 990 | BX 49 | 1320 | BX 60 | 1600 | BX 71 | 1875 | BX 82 | 2160 | BX 93 | 2440 | BX 108 | 2820 | BX 136 | 3530 | BX 195 | 5040 |
| BX 38 | 1040 | BX 50 | 1345 | BX 61 | 1625 | BX 72 | 1900 | BX 83 | 2180 | BX 94 | 2460 | BX 112 | 2920 | BX 140 | 3630 | | |
| BX 40 | 1090 | BX 51 | 1370 | BX 62 | 1650 | BX 73 | 1930 | BX 84 | 2210 | BX 95 | 2500 | BX 113 | 2940 | BX 144 | 3740 | | |
| BX 41 | 1120 | BX 52 | 1400 | BX 63 | 1675 | BX 74 | 1955 | BX 85 | 2240 | BX 96 | 2510 | BX 115 | 2990 | BX 148 | 3830 | | |
| BX 42 | 1140 | BX 53 | 1420 | BX 64 | 1700 | BX 75 | 1980 | BX 86 | 2260 | BX 97 | 2540 | BX 116 | 3020 | BX 150 | 3880 | | |
| BX 43 | 1165 | BX 54 | 1445 | BX 65 | 1725 | BX 76 | 2000 | BX 87 | 2280 | BX 98 | 2560 | BX 120 | 3130 | BX 154 | 3990 | | |



CX SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|-------|-------------------------------------|-------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|
| CX 51 | 1400 | CX 72 | 1935 | CX 85 | 2270 | CX 101 | 2670 | CX 112 | 2950 | CX 136 | 3550 | CX 158 | 4120 | | | | |
| CX 55 | 1500 | CX 75 | 2000 | CX 90 | 2390 | CX 105 | 2770 | CX 115 | 3030 | CX 144 | 3760 | CX 162 | 4220 | | | | |
| CX 60 | 1630 | CX 78 | 2090 | CX 96 | 2540 | CX 109 | 2870 | CX 120 | 3150 | CX 148 | 3860 | CX 173 | 4500 | | | | |
| CX 68 | 1830 | CX 81 | 2160 | CX 100 | 2650 | CX 111 | 2920 | CX 128 | 3350 | CX 150 | 3920 | CX 180 | 4680 | | | | |



BELT CHARACTERISTICS

| section | SPZ | SPA | SPB | SPC | 19 |
|--|---|------|------|-----|------|
| a (mm) | 9,7 | 12,7 | 16,3 | 22 | 18,6 |
| s (mm) | 8 | 10 | 13 | 18 | 15 |
| pitch length - internal length = Δ_i (mm) | 39 | 47 | 61 | 86 | 72 |
| external length - pitch length = Δ_e (mm) | 13 | 18 | 22 | 30 | 22 |
| weight (gr/m) | 70 | 120 | 195 | 365 | 270 |
| min. pulley diam. (mm) | 63 | 90 | 140 | 224 | 180 |
| working temperature | -30°C ÷ +80°C | | | | |
| relevant standards | DIN 7753 - ISO 4184 | | | | |
| relevant antistatic standard | ISO 1813 | | | | |
| materials | CR blend - polyester cord - cotton/polyester fabric | | | | |

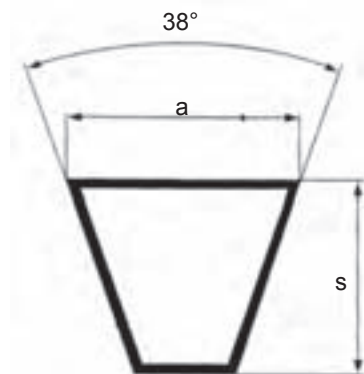


TABLE 3 - CORRECTION FACTOR C_L according to type and length of the belt

| | 512 | 630 | 710 | 732 | 800 | 900 | 1000 | 1120 | 1250 | 1400 | 1600 | 1800 | 2000 | 2240 | 2500 | 2800 | 3150 | 3550 | 4000 | 4500 | 5000 | 5600 | 6300 | 7100 | 8000 | 9000 | 10000 | 11200 | 12500 | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--|
| SPZ | 0,81 | 0,82 | 0,84 | 0,85 | 0,86 | 0,88 | 0,90 | 0,93 | 0,94 | 0,96 | 1,00 | 1,01 | 1,02 | 1,05 | 1,07 | 1,09 | 1,11 | 1,13 | | | | | | | | | | | | |
| SPA | | | | 0,80 | 0,81 | 0,83 | 0,85 | 0,87 | 0,89 | 0,91 | 0,93 | 0,95 | 0,96 | 0,98 | 1,00 | 1,02 | 1,04 | 1,06 | 1,08 | 1,09 | | | | | | | | | | |
| SPB | | | | | | | | | 0,82 | 0,84 | 0,86 | 0,88 | 0,90 | 0,92 | 0,94 | 0,96 | 0,98 | 1,00 | 1,02 | 1,04 | 1,06 | 1,08 | 1,10 | 1,12 | 1,14 | | | | | |
| SPC | | | | | | | | | | | | | 0,81 | 0,83 | 0,86 | 0,88 | 0,90 | 0,92 | 0,94 | 0,96 | 0,98 | 1,00 | 1,02 | 1,04 | 1,06 | 1,08 | 1,10 | 1,12 | 1,14 | |

TABLE 5 - INSTALLATION AND TAKE UP ALLOWANCE

| L (mm) | Y (mm) | | | | | X (mm) |
|-------------|--------|-----|-----|-----|----|--------|
| | SPZ | SPA | SPB | SPC | 19 | |
| 512 ÷ 670 | 15 | 15 | | | | 10 |
| 670 ÷ 1000 | 15 | 20 | | | | 14 |
| 1000 ÷ 1250 | 20 | 20 | | | | 18 |
| 1250 ÷ 1800 | 20 | 25 | 30 | | | 23 |
| 1800 ÷ 2240 | 25 | 25 | 30 | 40 | 32 | 28 |
| 2240 ÷ 3000 | 25 | 30 | 35 | 45 | 36 | 36 |
| 3000 ÷ 3500 | 30 | 30 | 40 | 45 | 36 | 44 |





SPZ SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|---------|-------------------------------------|---------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|
| SPZ 587 | 600 | SPZ 787 | 800 | SPZ 950 | 963 | SPZ 1120 | 1133 | SPZ 1270 | 1283 | SPZ 1470 | 1483 | SPZ 1700 | 1713 | SPZ 1987 | 2000 |
| SPZ 607 | 620 | SPZ 800 | 813 | SPZ 962 | 975 | SPZ 1137 | 1150 | SPZ 1287 | 1300 | SPZ 1487 | 1500 | SPZ 1737 | 1750 | SPZ 2000 | 2013 |
| SPZ 612 | 625 | SPZ 812 | 825 | SPZ 975 | 988 | SPZ 1140 | 1153 | SPZ 1312 | 1325 | SPZ 1500 | 1513 | SPZ 1750 | 1763 | SPZ 2019 | 2032 |
| SPZ 630 | 643 | SPZ 825 | 838 | SPZ 987 | 1000 | SPZ 1147 | 1160 | SPZ 1320 | 1333 | SPZ 1512 | 1525 | SPZ 1762 | 1775 | SPZ 2030 | 2043 |
| SPZ 637 | 650 | SPZ 837 | 850 | SPZ 1000 | 1013 | SPZ 1150 | 1163 | SPZ 1337 | 1350 | SPZ 1520 | 1533 | SPZ 1787 | 1800 | SPZ 2037 | 2050 |
| SPZ 662 | 675 | SPZ 850 | 863 | SPZ 1010 | 1023 | SPZ 1162 | 1175 | SPZ 1340 | 1353 | SPZ 1537 | 1550 | SPZ 1800 | 1813 | SPZ 2062 | 2075 |
| SPZ 670 | 683 | SPZ 862 | 875 | SPZ 1012 | 1025 | SPZ 1180 | 1193 | SPZ 1347 | 1360 | SPZ 1562 | 1575 | SPZ 1812 | 1825 | SPZ 2087 | 2100 |
| SPZ 687 | 700 | SPZ 875 | 888 | SPZ 1024 | 1037 | SPZ 1187 | 1200 | SPZ 1362 | 1375 | SPZ 1587 | 1600 | SPZ 1837 | 1850 | SPZ 2120 | 2133 |
| SPZ 710 | 723 | SPZ 887 | 900 | SPZ 1037 | 1050 | SPZ 1200 | 1213 | SPZ 1387 | 1400 | SPZ 1600 | 1613 | SPZ 1850 | 1863 | SPZ 2137 | 2150 |
| SPZ 722 | 735 | SPZ 900 | 913 | SPZ 1047 | 1060 | SPZ 1202 | 1215 | SPZ 1400 | 1413 | SPZ 1612 | 1625 | SPZ 1862 | 1875 | SPZ 2160 | 2173 |
| SPZ 737 | 750 | SPZ 912 | 925 | SPZ 1060 | 1073 | SPZ 1212 | 1225 | SPZ 1412 | 1425 | SPZ 1637 | 1650 | SPZ 1887 | 1900 | SPZ 2187 | 2200 |
| SPZ 750 | 763 | SPZ 922 | 935 | SPZ 1077 | 1090 | SPZ 1237 | 1250 | SPZ 1420 | 1433 | SPZ 1650 | 1663 | SPZ 1900 | 1913 | SPZ 2240 | 2253 |
| SPZ 762 | 775 | SPZ 925 | 938 | SPZ 1087 | 1100 | SPZ 1250 | 1263 | SPZ 1437 | 1450 | SPZ 1662 | 1675 | SPZ 1937 | 1950 | SPZ 2262 | 2275 |
| SPZ 772 | 785 | SPZ 937 | 950 | SPZ 1112 | 1125 | SPZ 1262 | 1275 | SPZ 1462 | 1475 | SPZ 1687 | 1700 | SPZ 1962 | 1975 | SPZ 2287 | 2300 |

TABLE 4 - P_b (kW) referred to d (mm)

P_d (kW) referred to i

| RPM | 63 | 71 | 80 | 90 | 100 | 112 | 125 | 140 | 150 | 160 | 170 | 180 |
|------|------|------|------|------|-------|------|-------|------|-------|-------|--------|--------|
| 100 | 0,10 | 0,13 | 0,16 | 0,20 | 0,24 | 0,28 | 0,33 | 0,38 | 0,41 | 0,45 | 0,48 | 0,52 |
| 200 | 0,18 | 0,24 | 0,30 | 0,37 | 0,44 | 0,52 | 0,61 | 0,71 | 0,78 | 0,85 | 0,91 | 0,98 |
| 500 | 0,39 | 0,52 | 0,67 | 0,83 | 0,99 | 1,19 | 1,39 | 1,63 | 1,79 | 1,94 | 2,10 | 2,25 |
| 700 | 0,51 | 0,69 | 0,89 | 1,11 | 1,34 | 1,60 | 1,88 | 2,20 | 2,42 | 2,63 | 2,84 | 3,05 |
| 900 | 0,62 | 0,85 | 1,10 | 1,38 | 1,66 | 1,99 | 2,35 | 2,75 | 3,02 | 3,28 | 3,55 | 3,81 |
| 1000 | 0,67 | 0,92 | 1,20 | 1,51 | 1,82 | 2,18 | 2,57 | 3,02 | 3,31 | 3,60 | 3,89 | 4,17 |
| 1400 | 0,87 | 1,21 | 1,59 | 2,01 | 2,42 | 2,92 | 3,44 | 4,03 | 4,43 | 4,81 | 5,19 | 5,57 |
| 1500 | 0,91 | 1,28 | 1,68 | 2,13 | 2,57 | 3,09 | 3,65 | 4,28 | 4,69 | 5,10 | 5,50 | 5,90 |
| 1700 | 1,00 | 1,41 | 1,86 | 2,36 | 2,85 | 3,43 | 4,05 | 4,75 | 5,21 | 5,66 | 6,10 | 6,54 |
| 1800 | 1,04 | 1,47 | 1,95 | 2,47 | 2,99 | 3,60 | 4,25 | 4,98 | 5,46 | 5,93 | 6,39 | 6,84 |
| 2500 | 1,31 | 1,88 | 2,52 | 3,21 | 3,89 | 4,68 | 5,52 | 6,45 | 7,05 | 7,63 | 8,19 | 8,74 |
| 2900 | 1,44 | 2,09 | 2,81 | 3,59 | 4,35 | 5,23 | 6,16 | 7,17 | 7,82 | 8,44 | 9,04 | 9,60 |
| 3000 | 1,47 | 2,14 | 2,88 | 3,68 | 4,46 | 5,36 | 6,31 | 7,34 | 8,00 | 8,63 | 9,22 | 9,79 |
| 3400 | 1,58 | 2,32 | 3,14 | 4,02 | 4,87 | 5,85 | 6,86 | 7,95 | 8,63 | 9,27 | 9,87 | 10,43* |
| 3600 | 1,63 | 2,41 | 3,26 | 4,18 | 5,06 | 6,07 | 7,11 | 8,22 | 8,90 | 9,54 | 10,13* | 10,68* |
| 4000 | 1,72 | 2,57 | 3,49 | 4,47 | 5,41 | 6,47 | 7,55 | 8,67 | 9,35* | 9,97* | | |
| 5000 | 1,88 | 2,87 | 3,93 | 5,04 | 6,07 | 7,19 | 8,26* | | | | | |
| 6000 | 1,94 | 3,03 | 4,18 | 5,35 | 6,39* | | | | | | | |

| RPM | i | 1,00+1,01 | 1,02+1,05 | 1,06+1,11 | 1,12+1,18 | 1,19+1,26 | 1,27+1,38 | 1,39+1,57 | 1,58+1,94 | 1,95+3,38 | over 3,39 |
|------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 100 | 0,00 | 0,00 | 0,00 | 0,00 | 0,01 | 0,01 | 0,01 | 0,01 | 0,01 | 0,02 | 0,02 |
| 200 | 0,00 | 0,00 | 0,01 | 0,01 | 0,01 | 0,02 | 0,02 | 0,03 | 0,03 | 0,03 | 0,03 |
| 500 | 0,00 | 0,01 | 0,02 | 0,03 | 0,05 | 0,06 | 0,06 | 0,07 | 0,08 | 0,08 | 0,08 |
| 700 | 0,00 | 0,01 | 0,03 | 0,05 | 0,06 | 0,08 | 0,08 | 0,09 | 0,10 | 0,11 | 0,12 |
| 900 | 0,00 | 0,01 | 0,03 | 0,06 | 0,08 | 0,10 | 0,12 | 0,13 | 0,14 | 0,15 | 0,15 |
| 1000 | 0,00 | 0,01 | 0,04 | 0,07 | 0,09 | 0,11 | 0,13 | 0,15 | 0,16 | 0,17 | 0,17 |
| 1400 | 0,00 | 0,02 | 0,05 | 0,09 | 0,13 | 0,15 | 0,18 | 0,20 | 0,22 | 0,23 | 0,23 |
| 1500 | 0,00 | 0,02 | 0,06 | 0,10 | 0,14 | 0,17 | 0,19 | 0,22 | 0,24 | 0,25 | 0,25 |
| 1700 | 0,00 | 0,02 | 0,07 | 0,11 | 0,15 | 0,19 | 0,22 | 0,25 | 0,27 | 0,29 | 0,29 |
| 1800 | 0,00 | 0,03 | 0,07 | 0,12 | 0,16 | 0,20 | 0,23 | 0,26 | 0,29 | 0,30 | 0,30 |
| 2500 | 0,00 | 0,04 | 0,10 | 0,17 | 0,23 | 0,28 | 0,32 | 0,36 | 0,40 | 0,42 | 0,42 |
| 2900 | 0,00 | 0,04 | 0,11 | 0,19 | 0,26 | 0,32 | 0,37 | 0,42 | 0,46 | 0,49 | 0,49 |
| 3000 | 0,00 | 0,04 | 0,12 | 0,20 | 0,27 | 0,33 | 0,39 | 0,44 | 0,48 | 0,50 | 0,50 |
| 3400 | 0,00 | 0,05 | 0,13 | 0,23 | 0,31 | 0,38 | 0,44 | 0,49 | 0,54 | 0,57 | 0,57 |
| 3600 | 0,00 | 0,05 | 0,14 | 0,24 | 0,33 | 0,40 | 0,47 | 0,52 | 0,57 | 0,60 | 0,60 |
| 4000 | 0,00 | 0,06 | 0,15 | 0,27 | 0,36 | 0,44 | 0,52 | 0,58 | 0,63 | 0,67 | 0,67 |
| 5000 | 0,00 | 0,07 | 0,19 | 0,33 | 0,46 | 0,55 | 0,65 | 0,73 | 0,79 | 0,84 | 0,84 |
| 6000 | 0,00 | 0,08 | 0,23 | 0,40 | 0,55 | 0,66 | 0,78 | 0,87 | 0,95 | 1,01 | 1,01 |



* Belt speed is greater than 30 m/s then is necessary to use dynamically balanced pulleys. A reduction in belt life can be expected. Suggested a smaller section.



SPA SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|---------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|
| SPA 657 | 675 | SPA 950 | 968 | SPA 1207 | 1225 | SPA 1450 | 1468 | SPA 1707 | 1725 | SPA 1957 | 1975 | SPA 2332 | 2350 | SPA 2832 | 2850 |
| SPA 707 | 725 | SPA 957 | 975 | SPA 1232 | 1250 | SPA 1457 | 1475 | SPA 1732 | 1750 | SPA 1982 | 2000 | SPA 2360 | 2378 | SPA 2847 | 2865 |
| SPA 732 | 750 | SPA 967 | 985 | SPA 1250 | 1268 | SPA 1482 | 1500 | SPA 1750 | 1768 | SPA 2000 | 2018 | SPA 2382 | 2400 | SPA 2882 | 2900 |
| SPA 757 | 775 | SPA 982 | 1000 | SPA 1257 | 1275 | SPA 1500 | 1518 | SPA 1757 | 1775 | SPA 2032 | 2050 | SPA 2432 | 2450 | SPA 2900 | 2918 |
| SPA 782 | 800 | SPA 1000 | 1018 | SPA 1272 | 1290 | SPA 1507 | 1525 | SPA 1782 | 1800 | SPA 2057 | 2075 | SPA 2482 | 2500 | SPA 2932 | 2950 |
| SPA 800 | 818 | SPA 1007 | 1025 | SPA 1282 | 1300 | SPA 1532 | 1550 | SPA 1800 | 1818 | SPA 2082 | 2100 | SPA 2500 | 2518 | SPA 2982 | 3000 |
| SPA 807 | 825 | SPA 1032 | 1050 | SPA 1307 | 1325 | SPA 1550 | 1568 | SPA 1807 | 1825 | SPA 2120 | 2138 | SPA 2532 | 2550 | SPA 3000 | 3018 |
| SPA 832 | 850 | SPA 1060 | 1078 | SPA 1320 | 1338 | SPA 1557 | 1575 | SPA 1832 | 1850 | SPA 2132 | 2150 | SPA 2582 | 2600 | SPA 3032 | 3050 |
| SPA 850 | 868 | SPA 1082 | 1100 | SPA 1332 | 1350 | SPA 1582 | 1600 | SPA 1857 | 1875 | SPA 2182 | 2200 | SPA 2607 | 2625 | SPA 3082 | 3100 |
| SPA 857 | 875 | SPA 1107 | 1125 | SPA 1357 | 1375 | SPA 1600 | 1618 | SPA 1882 | 1900 | SPA 2207 | 2225 | SPA 2632 | 2650 | SPA 3150 | 3168 |
| SPA 882 | 900 | SPA 1120 | 1138 | SPA 1382 | 1400 | SPA 1607 | 1625 | SPA 1900 | 1918 | SPA 2232 | 2250 | SPA 2650 | 2668 | SPA 3182 | 3200 |
| SPA 900 | 918 | SPA 1132 | 1150 | SPA 1400 | 1418 | SPA 1632 | 1650 | SPA 1907 | 1925 | SPA 2240 | 2258 | SPA 2682 | 2700 | SPA 3250 | 3268 |
| SPA 907 | 925 | SPA 1150 | 1168 | SPA 1407 | 1425 | SPA 1657 | 1675 | SPA 1925 | 1943 | SPA 2282 | 2300 | SPA 2732 | 2750 | SPA 3282 | 3300 |
| SPA 925 | 943 | SPA 1157 | 1175 | SPA 1425 | 1443 | SPA 1682 | 1700 | SPA 1932 | 1950 | SPA 2300 | 2318 | SPA 2782 | 2800 | SPA 3350 | 3368 |
| SPA 932 | 950 | SPA 1180 | 1198 | SPA 1432 | 1450 | SPA 1700 | 1718 | SPA 1950 | 1968 | SPA 2307 | 2325 | SPA 2800 | 2818 | SPA 3382 | 3400 |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | 90 | 100 | 106 | 112 | 118 | 132 | 150 | 170 | 190 | 212 | 236 | 250 |
|------|------|------|------|------|-------|-------|--------|--------|--------|--------|--------|--------|
| 100 | 0,23 | 0,29 | 0,33 | 0,37 | 0,40 | 0,49 | 0,59 | 0,71 | 0,83 | 0,95 | 1,09 | 1,17 |
| 200 | 0,42 | 0,54 | 0,61 | 0,68 | 0,74 | 0,90 | 1,11 | 1,33 | 1,55 | 1,80 | 2,06 | 2,21 |
| 500 | 0,90 | 1,17 | 1,33 | 1,50 | 1,66 | 2,03 | 2,51 | 3,03 | 3,55 | 4,11 | 4,72 | 5,08 |
| 700 | 1,18 | 1,55 | 1,77 | 1,99 | 2,21 | 2,72 | 3,37 | 4,08 | 4,78 | 5,55 | 6,37 | 6,84 |
| 900 | 1,43 | 1,90 | 2,18 | 2,46 | 2,74 | 3,38 | 4,19 | 5,08 | 5,96 | 6,91 | 7,93 | 8,51 |
| 1000 | 1,56 | 2,07 | 2,38 | 2,69 | 2,99 | 3,69 | 4,59 | 5,56 | 6,52 | 7,56 | 8,67 | 9,31 |
| 1400 | 2,01 | 2,70 | 3,12 | 3,53 | 3,94 | 4,89 | 6,08 | 7,38 | 8,64 | 10,00 | 11,43 | 12,24 |
| 1500 | 2,11 | 2,85 | 3,29 | 3,73 | 4,17 | 5,17 | 6,43 | 7,80 | 9,13 | 10,56 | 12,05 | 12,90 |
| 1700 | 2,30 | 3,13 | 3,63 | 4,11 | 4,60 | 5,71 | 7,11 | 8,62 | 10,07 | 11,62 | 13,23 | 14,13 |
| 1800 | 2,40 | 3,27 | 3,79 | 4,30 | 4,80 | 5,97 | 7,43 | 9,00 | 10,52 | 12,12 | 13,77 | 14,70 |
| 2500 | 2,96 | 4,11 | 4,78 | 5,45 | 6,10 | 7,59 | 9,43 | 11,35 | 13,15 | 14,96 | 16,72* | 17,63* |
| 2900 | 3,21 | 4,50 | 5,25 | 5,99 | 6,71 | 8,35 | 10,34 | 12,37 | 14,21 | 15,99* | | |
| 3000 | 3,27 | 4,58 | 5,35 | 6,11 | 6,85 | 8,52 | 10,53 | 12,58 | 14,42 | 16,17* | | |
| 3500 | 3,49 | 4,95 | 5,80 | 6,63 | 7,43 | 9,22 | 11,33 | 13,38* | 15,11* | | | |
| 3600 | 3,52 | 5,01 | 5,87 | 6,71 | 7,53 | 9,34 | 11,45 | 13,49* | | | | |
| 4000 | 3,62 | 5,20 | 6,11 | 6,99 | 7,84 | 9,69 | 11,78* | | | | | |
| 4600 | 3,66 | 5,34 | 6,29 | 7,20 | 8,07 | 9,89* | | | | | | |
| 5000 | 3,59 | 5,32 | 6,28 | 7,19 | 8,04* | 9,79* | | | | | | |

P_d (kW) referred to i

| RPM | i | 1,00+1,01 | 1,02+1,05 | 1,06+1,11 | 1,12+1,18 | 1,19+1,26 | 1,27+1,38 | 1,39+1,57 | 1,58+1,94 | 1,95+3,38 | over 3,39 |
|------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 100 | 0,00 | 0,00 | 0,01 | 0,02 | 0,02 | 0,03 | 0,03 | 0,03 | 0,04 | 0,04 | |
| 200 | 0,00 | 0,01 | 0,02 | 0,03 | 0,04 | 0,05 | 0,06 | 0,07 | 0,07 | 0,08 | |
| 500 | 0,00 | 0,02 | 0,04 | 0,08 | 0,11 | 0,13 | 0,15 | 0,17 | 0,19 | 0,20 | |
| 700 | 0,00 | 0,02 | 0,06 | 0,11 | 0,15 | 0,18 | 0,21 | 0,24 | 0,26 | 0,28 | |
| 900 | 0,00 | 0,03 | 0,08 | 0,14 | 0,19 | 0,23 | 0,27 | 0,31 | 0,33 | 0,35 | |
| 1000 | 0,00 | 0,03 | 0,09 | 0,16 | 0,21 | 0,26 | 0,30 | 0,34 | 0,37 | 0,39 | |
| 1400 | 0,00 | 0,05 | 0,13 | 0,22 | 0,30 | 0,36 | 0,42 | 0,48 | 0,52 | 0,55 | |
| 1500 | 0,00 | 0,05 | 0,13 | 0,24 | 0,32 | 0,39 | 0,45 | 0,51 | 0,56 | 0,59 | |
| 1700 | 0,00 | 0,06 | 0,15 | 0,27 | 0,36 | 0,44 | 0,51 | 0,58 | 0,63 | 0,67 | |
| 1800 | 0,00 | 0,06 | 0,16 | 0,28 | 0,38 | 0,47 | 0,54 | 0,61 | 0,67 | 0,71 | |
| 2500 | 0,00 | 0,08 | 0,22 | 0,39 | 0,53 | 0,65 | 0,76 | 0,85 | 0,93 | 0,98 | |
| 2900 | 0,00 | 0,10 | 0,26 | 0,45 | 0,62 | 0,75 | 0,88 | 0,99 | 1,08 | 1,14 | |
| 3000 | 0,00 | 0,10 | 0,27 | 0,47 | 0,64 | 0,78 | 0,91 | 1,02 | 1,11 | 1,18 | |
| 3500 | 0,00 | 0,12 | 0,31 | 0,55 | 0,75 | 0,90 | 1,06 | 1,19 | 1,30 | 1,38 | |
| 3600 | 0,00 | 0,12 | 0,32 | 0,56 | 0,77 | 0,93 | 1,09 | 1,23 | 1,34 | 1,42 | |
| 4000 | 0,00 | 0,13 | 0,36 | 0,63 | 0,85 | 1,03 | 1,21 | 1,36 | 1,48 | 1,57 | |
| 4600 | 0,00 | 0,15 | 0,41 | 0,72 | 0,98 | 1,19 | 1,39 | 1,57 | 1,71 | 1,81 | |
| 5000 | 0,00 | 0,16 | 0,45 | 0,78 | 1,07 | 1,29 | 1,51 | 1,70 | 1,86 | 1,97 | |



SPB SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|
| SPB 1250 | 1272 | SPB 1700 | 1722 | SPB 2020 | 2042 | SPB 2280 | 2302 | SPB 2580 | 2602 | SPB 2900 | 2922 | SPB 3350 | 3372 | SPB 4750 | 4772 |
| SPB 1320 | 1342 | SPB 1750 | 1772 | SPB 2060 | 2082 | SPB 2300 | 2322 | SPB 2600 | 2622 | SPB 2950 | 2972 | SPB 3450 | 3472 | SPB 5000 | 5022 |
| SPB 1400 | 1422 | SPB 1800 | 1822 | SPB 2098 | 2120 | SPB 2360 | 2382 | SPB 2650 | 2672 | SPB 3000 | 3022 | SPB 3550 | 3572 | SPB 5300 | 5322 |
| SPB 1410 | 1432 | SPB 1850 | 1872 | SPB 2120 | 2142 | SPB 2391 | 2413 | SPB 2680 | 2702 | SPB 3070 | 3092 | SPB 3650 | 3672 | SPB 5600 | 5622 |
| SPB 1450 | 1472 | SPB 1860 | 1882 | SPB 2150 | 2172 | SPB 2410 | 2432 | SPB 2720 | 2742 | SPB 3150 | 3172 | SPB 3750 | 3772 | SPB 6000 | 6022 |
| SPB 1500 | 1522 | SPB 1900 | 1922 | SPB 2180 | 2202 | SPB 2430 | 2452 | SPB 2800 | 2822 | SPB 3170 | 3192 | SPB 4000 | 4022 | SPB 6300 | 6322 |
| SPB 1600 | 1622 | SPB 1950 | 1972 | SPB 2240 | 2262 | SPB 2500 | 2522 | SPB 2840 | 2862 | SPB 3250 | 3272 | SPB 4250 | 4272 | SPB 6700 | 6722 |
| SPB 1650 | 1672 | SPB 2000 | 2022 | SPB 2264 | 2286 | SPB 2530 | 2552 | SPB 2850 | 2872 | SPB 3320 | 3342 | SPB 4500 | 4522 | SPB 7100 | 7122 |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | 140 | 150 | 160 | 170 | 180 | 200 | 224 | 250 | 280 | 315 | 355 | 400 |
|------|-------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|
| 100 | 0,66 | 0,75 | 0,85 | 0,94 | 1,04 | 1,22 | 1,45 | 1,69 | 1,96 | 2,28 | 2,64 | 3,04 |
| 200 | 1,20 | 1,38 | 1,56 | 1,74 | 1,92 | 2,28 | 2,70 | 3,16 | 3,68 | 4,29 | 4,97 | 5,74 |
| 500 | 2,60 | 3,02 | 3,45 | 3,87 | 4,29 | 5,12 | 6,11 | 7,16 | 8,37 | 9,76 | 11,33 | 13,06 |
| 700 | 3,43 | 4,00 | 4,58 | 5,15 | 5,72 | 6,85 | 8,18 | 9,61 | 11,23 | 13,08 | 15,16 | 17,43 |
| 900 | 4,19 | 4,92 | 5,64 | 6,35 | 7,06 | 8,47 | 10,13 | 11,89 | 13,88 | 16,15 | 18,66 | 21,38 |
| 1000 | 4,56 | 5,35 | 6,14 | 6,93 | 7,71 | 9,24 | 11,05 | 12,98 | 15,14 | 17,59 | 20,29 | 23,18 |
| 1400 | 5,88 | 6,95 | 8,00 | 9,04 | 10,07 | 12,09 | 14,44 | 16,90 | 19,62 | 22,62 | 25,81 | 29,05 |
| 1500 | 6,19 | 7,31 | 8,43 | 9,53 | 10,61 | 12,73 | 15,20 | 17,77 | 20,60 | 23,68 | 26,92 | 30,14* |
| 1700 | 6,75 | 8,00 | 9,23 | 10,44 | 11,63 | 13,95 | 16,62 | 19,38 | 22,36 | 25,54 | 28,77* | |
| 1800 | 7,02 | 8,32 | 9,60 | 10,86 | 12,10 | 14,51 | 17,27 | 20,10 | 23,13 | 26,33 | 29,49* | |
| 2000 | 7,51 | 8,92 | 10,30 | 11,66 | 12,98 | 15,55 | 18,46 | 21,39 | 24,47 | 27,60* | | |
| 2500 | 8,51 | 10,14 | 11,73 | 13,27 | 14,76 | 17,58 | 20,65 | 23,58* | | | | |
| 2900 | 9,05 | 10,82 | 12,52 | 14,14 | 15,69 | 18,55* | 21,52* | | | | | |
| 3000 | 9,15 | 10,94 | 12,66 | 14,30 | 15,85 | 18,69* | | | | | | |
| 3500 | 9,40 | 11,27 | 13,02 | 14,65* | 16,16* | | | | | | | |
| 3600 | 9,40 | 11,27 | 13,02 | 14,64* | 16,12* | | | | | | | |
| 4000 | 9,21 | 11,06* | 12,75* | | | | | | | | | |
| 4600 | 8,33* | | | | | | | | | | | |

P_d (kW) referred to i

| RPM | i | 1,00+1,01 | 1,02+1,05 | 1,06+1,11 | 1,12+1,18 | 1,19+1,26 | 1,27+1,38 | 1,39+1,57 | 1,58+1,94 | 1,95+3,38 | over 3,39 |
|------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 100 | 0,00 | 0,01 | 0,02 | 0,03 | 0,05 | 0,06 | 0,07 | 0,07 | 0,08 | 0,09 | |
| 200 | 0,00 | 0,01 | 0,04 | 0,07 | 0,09 | 0,11 | 0,13 | 0,15 | 0,16 | 0,17 | |
| 500 | 0,00 | 0,04 | 0,10 | 0,17 | 0,23 | 0,28 | 0,33 | 0,37 | 0,41 | 0,43 | |
| 700 | 0,00 | 0,05 | 0,14 | 0,24 | 0,33 | 0,40 | 0,47 | 0,52 | 0,57 | 0,61 | |
| 900 | 0,00 | 0,07 | 0,18 | 0,31 | 0,42 | 0,51 | 0,60 | 0,67 | 0,73 | 0,78 | |
| 1000 | 0,00 | 0,07 | 0,20 | 0,34 | 0,47 | 0,57 | 0,67 | 0,75 | 0,82 | 0,86 | |
| 1400 | 0,00 | 0,10 | 0,28 | 0,48 | 0,66 | 0,80 | 0,93 | 1,05 | 1,14 | 1,21 | |
| 1500 | 0,00 | 0,11</ | | | | | | | | | |



SPC SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|-----------|-------------------------------------|
| SPC 2000 | 2030 | SPC 2500 | 2530 | SPC 3150 | 3180 | SPC 4000 | 4030 | SPC 5000 | 5030 | SPC 6300 | 6330 | SPC 8000 | 8030 | SPC 10000 | 10030 |
| SPC 2120 | 2150 | SPC 2650 | 2680 | SPC 3350 | 3380 | SPC 4250 | 4280 | SPC 5300 | 5330 | SPC 6700 | 6730 | SPC 8500 | 8530 | SPC 10600 | 10630 |
| SPC 2240 | 2270 | SPC 2800 | 2830 | SPC 3550 | 3580 | SPC 4500 | 4530 | SPC 5600 | 5630 | SPC 7100 | 7130 | SPC 9000 | 9030 | SPC 11200 | 11230 |
| SPC 2360 | 2390 | SPC 3000 | 3030 | SPC 3750 | 3780 | SPC 4750 | 4780 | SPC 6000 | 6030 | SPC 7500 | 7530 | SPC 9500 | 9530 | SPC 11800 | 11830 |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | 224 | 236 | 250 | 280 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 |
|------|-------|--------|--------|-------|-------|--------|--------|-------|--------|-------|--------|--------|
| 50 | 1,08 | 1,18 | 1,31 | 1,57 | 1,88 | 2,22 | 2,61 | 3,04 | 3,46 | 3,96 | 4,30 | 4,55 |
| 100 | 1,99 | 2,19 | 2,43 | 2,93 | 3,51 | 4,18 | 4,92 | 5,73 | 6,54 | 7,50 | 8,13 | 8,61 |
| 150 | 2,83 | 3,13 | 3,47 | 4,21 | 5,06 | 6,03 | 7,10 | 8,29 | 9,46 | 10,86 | 11,78 | 12,47 |
| 200 | 3,63 | 4,02 | 4,47 | 5,43 | 6,54 | 7,80 | 9,21 | 10,75 | 12,28 | 14,10 | 15,30 | 16,19 |
| 300 | 5,14 | 5,71 | 6,36 | 7,76 | 9,37 | 11,20 | 13,23 | 15,46 | 17,66 | 20,27 | 21,99 | 23,27 |
| 400 | 6,56 | 7,29 | 8,15 | 9,96 | 12,06 | 14,43 | 17,05 | 19,92 | 22,75 | 26,09 | 28,27 | 29,90 |
| 600 | 9,17 | 10,23 | 11,47 | 14,07 | 17,07 | 20,44 | 24,14 | 28,16 | 32,08 | 36,62 | 39,56 | 41,72 |
| 700 | 10,39 | 11,60 | 13,01 | 15,99 | 19,41 | 23,23 | 27,41 | 31,93 | 36,28 | 41,30 | 44,50 | 46,83 |
| 750 | 10,97 | 12,27 | 13,76 | 16,92 | 20,53 | 24,57 | 28,98 | 33,71 | 38,26 | 43,47 | 46,77 | 49,16 |
| 900 | 12,65 | 14,15 | 15,89 | 19,56 | 23,74 | 28,36 | 33,37 | 38,67 | 43,68 | 49,27 | 52,73 | 55,18 |
| 1000 | 13,69 | 15,33 | 17,23 | 21,21 | 25,73 | 30,69 | 36,03 | 41,61 | 46,81 | 52,49 | 55,92* | 58,29* |
| 1400 | 17,29 | 19,40 | 21,82 | 26,83 | 32,37 | 38,24 | 44,22 | | 52,56* | | | |
| 1500 | 18,03 | 20,24 | 22,77 | 27,97 | 33,67 | 39,63 | 45,59* | | | | | |
| 1700 | 19,32 | 21,70 | 24,40 | 29,90 | 35,78 | 41,74* | | | | | | |
| 1800 | 19,87 | 22,31 | 25,08 | 30,67 | 36,58 | | | | | | | |
| 2000 | 20,73 | 23,28 | 26,14 | 31,83 | | | | | | | | |
| 2500 | 21,50 | 24,10* | 26,91* | | | | | | | | | |

P_d (kW) referred to i

| RPM | i | 1,00±1,01 | 1,02±1,05 | 1,06±1,11 | 1,12±1,18 | 1,19±1,26 | 1,27±1,38 | 1,39±1,57 | 1,58±1,94 | 1,95±3,38 | over 3,39 |
|------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 50 | 0,00 | 0,01 | 0,03 | 0,05 | 0,06 | 0,08 | 0,09 | 0,10 | 0,11 | 0,12 | |
| 100 | 0,00 | 0,02 | 0,05 | 0,09 | 0,13 | 0,15 | 0,18 | 0,20 | 0,22 | 0,23 | |
| 150 | 0,00 | 0,03 | 0,08 | 0,14 | 0,19 | 0,23 | 0,27 | 0,30 | 0,33 | 0,35 | |
| 200 | 0,00 | 0,04 | 0,11 | 0,19 | 0,25 | 0,31 | 0,36 | 0,41 | 0,44 | 0,47 | |
| 300 | 0,00 | 0,06 | 0,16 | 0,28 | 0,38 | 0,46 | 0,54 | 0,61 | 0,66 | 0,70 | |
| 400 | 0,00 | 0,08 | 0,21 | 0,37 | 0,51 | 0,62 | 0,72 | 0,81 | 0,88 | 0,94 | |
| 600 | 0,00 | 0,12 | 0,32 | 0,56 | 0,76 | 0,92 | 1,08 | 1,22 | 1,33 | 1,40 | |
| 700 | 0,00 | 0,14 | 0,37 | 0,65 | 0,89 | 1,08 | 1,26 | 1,42 | 1,55 | 1,64 | |
| 750 | 0,00 | 0,15 | 0,40 | 0,70 | 0,95 | 1,15 | 1,35 | 1,52 | 1,66 | 1,76 | |
| 900 | 0,00 | 0,18 | 0,48 | 0,84 | 1,14 | 1,39 | 1,62 | 1,83 | 1,99 | 2,11 | |
| 1000 | 0,00 | 0,20 | 0,54 | 0,93 | 1,27 | 1,54 | 1,80 | 2,03 | 2,21 | 2,34 | |
| 1400 | 0,00 | 0,28 | 0,75 | 1,31 | 1,78 | 2,15 | 2,52 | 2,84 | 3,09 | 3,28 | |
| 1500 | 0,00 | 0,29 | 0,80 | 1,40 | 1,91 | 2,31 | 2,70 | 3,04 | 3,32 | 3,51 | |
| 1700 | 0,00 | 0,33 | 0,91 | 1,59 | 2,16 | 2,62 | 3,06 | 3,45 | 3,76 | 3,98 | |
| 1800 | 0,00 | 0,35 | 0,96 | 1,68 | 2,29 | 2,77 | 3,24 | 3,65 | 3,98 | 4,21 | |
| 2000 | 0,00 | 0,39 | 1,07 | 1,87 | 2,54 | 3,08 | 3,61 | 4,06 | 4,42 | 4,68 | |
| 2500 | 0,00 | 0,49 | 1,34 | 2,33 | 3,18 | 3,85 | 4,51 | 5,07 | 5,53 | 5,85 | |



19 SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|
| 19 | 1800 | 19 | 2120 | 19 | 2360 | 19 | 2800 | 19 | 3350 | 19 | 4000 | 19 | 4975 | 19 | 6700 |
| 19 | 1900 | 19 | 2175 | 19 | 2500 | 19 | 3000 | 19 | 3550 | 19 | 4250 | 19 | 5000 | 19 | 9000 |
| 19 | 2000 | 19 | 2240 | 19 | 2650 | 19 | 3150 | 19 | 3750 | 19 | 4500 | 19 | 6275 | 19 | 10000 |



* Belt speed is greater than 30 m/s then is necessary to use dynamically balanced pulleys. A reduction in belt life can be expected. Suggested a smaller section.

LINEA-X

BELT CHARACTERISTICS

| section | XPZ | XPA | XPB | XPC |
|--|-----------------------------|------|------|-----|
| a (mm) | 9,7 | 12,7 | 16,3 | 22 |
| s (mm) | 8 | 10 | 13 | 18 |
| external length - pitch length = Δ_e (mm) | 11 | 16 | 21 | 27 |
| weigth (gr/m) | 73 | 122 | 200 | 355 |
| min. pulley diam. (mm) | 56 | 80 | 112 | 180 |
| working temperature | -30°C ÷ +90°C | | | |
| relevant standards | DIN 7753 / TEIL1 - ISO 4184 | | | |
| relevant antistatic standard | ISO 1813 | | | |
| materials | CR blend - polyester cord | | | |

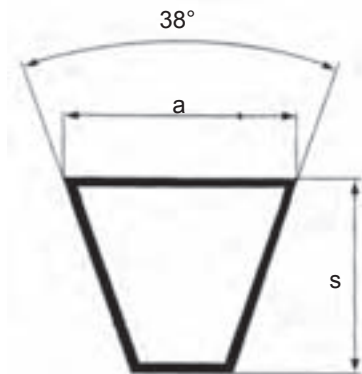


TABLE 3 - CORRECTION FACTOR C_L according to type and length of the belt

| | 512 | 630 | 710 | 732 | 800 | 900 | 1000 | 1120 | 1250 | 1400 | 1600 | 1800 | 2000 | 2240 | 2500 | 2800 | 3150 | 3550 |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| XPZ | 0,82 | 0,83 | 0,85 | 0,86 | 0,87 | 0,89 | 0,91 | 0,93 | 0,95 | 0,98 | 1,00 | 1,02 | 1,04 | 1,06 | 1,08 | 1,10 | 1,13 | 1,15 |
| XPA | | | | 0,81 | 0,82 | 0,84 | 0,86 | 0,88 | 0,90 | 0,92 | 0,94 | 0,96 | 0,98 | 1,00 | 1,02 | 1,04 | 1,06 | 1,08 |
| XPB | | | | | | | | | 0,85 | 0,87 | 0,89 | 0,91 | 0,93 | 0,94 | 0,96 | 0,98 | 1,01 | 1,03 |
| XPC | | | | | | | | | | | | | 0,85 | 0,86 | 0,88 | 0,90 | 0,91 | 0,93 |

TABLE 5 - INSTALLATION AND TAKE UP ALLOWANCE

| L (mm) | Y (mm) | | | | X (mm) |
|-------------|--------|-----|-----|-----|--------|
| | XPZ | XPA | XPB | XPC | |
| 512 ÷ 670 | 15 | 15 | | | 10 |
| 670 ÷ 1000 | 15 | 20 | | | 14 |
| 1000 ÷ 1250 | 20 | 20 | | | 18 |
| 1250 ÷ 1800 | 20 | 25 | 30 | | 23 |
| 1800 ÷ 2240 | 25 | 25 | 30 | 40 | 28 |
| 2240 ÷ 3000 | 25 | 30 | 35 | 45 | 36 |
| 3000 ÷ 3500 | 30 | 30 | 40 | 45 | 44 |





XPZ SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|---------|-------------------------------------|---------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|
| XPZ 512 | 525 | XPZ 737 | 750 | XPZ 900 | 913 | XPZ 1060 | 1073 | XPZ 1212 | 1225 | XPZ 1400 | 1413 | XPZ 1600 | 1613 | XPZ 2240 | 2253 |
| XPZ 562 | 575 | XPZ 750 | 763 | XPZ 912 | 925 | XPZ 1062 | 1075 | XPZ 1237 | 1250 | XPZ 1412 | 1425 | XPZ 1612 | 1625 | XPZ 2280 | 2293 |
| XPZ 587 | 600 | XPZ 762 | 775 | XPZ 925 | 938 | XPZ 1077 | 1090 | XPZ 1250 | 1263 | XPZ 1420 | 1433 | XPZ 1662 | 1675 | XPZ 2360 | 2373 |
| XPZ 612 | 625 | XPZ 787 | 800 | XPZ 937 | 950 | XPZ 1087 | 1100 | XPZ 1262 | 1275 | XPZ 1437 | 1450 | XPZ 1700 | 1713 | XPZ 2410 | 2423 |
| XPZ 630 | 643 | XPZ 800 | 813 | XPZ 950 | 963 | XPZ 1112 | 1125 | XPZ 1270 | 1283 | XPZ 1462 | 1475 | XPZ 1762 | 1775 | XPZ 2500 | 2513 |
| XPZ 637 | 650 | XPZ 812 | 825 | XPZ 962 | 975 | XPZ 1120 | 1133 | XPZ 1287 | 1300 | XPZ 1487 | 1500 | XPZ 1800 | 1813 | XPZ 2540 | 2553 |
| XPZ 662 | 675 | XPZ 837 | 850 | XPZ 987 | 1000 | XPZ 1137 | 1150 | XPZ 1312 | 1325 | XPZ 1500 | 1513 | XPZ 1900 | 1913 | XPZ 2650 | 2663 |
| XPZ 670 | 683 | XPZ 850 | 863 | XPZ 1000 | 1013 | XPZ 1162 | 1175 | XPZ 1320 | 1333 | XPZ 1512 | 1525 | XPZ 2000 | 2013 | XPZ 2690 | 2703 |
| XPZ 687 | 700 | XPZ 862 | 875 | XPZ 1012 | 1025 | XPZ 1180 | 1193 | XPZ 1337 | 1350 | XPZ 1520 | 1533 | XPZ 2030 | 2043 | XPZ 2800 | 2813 |
| XPZ 710 | 723 | XPZ 875 | 888 | XPZ 1037 | 1050 | XPZ 1187 | 1200 | XPZ 1362 | 1375 | XPZ 1537 | 1550 | XPZ 2120 | 2133 | XPZ 2840 | 2853 |
| XPZ 722 | 735 | XPZ 887 | 900 | XPZ 1047 | 1060 | XPZ 1202 | 1215 | XPZ 1387 | 1400 | XPZ 1587 | 1600 | XPZ 2160 | 2173 | XPZ 3000 | 3013 |

TABLE 4 - P_b (kW) referred to d (mm)

| mm | 56 | 60 | 63 | 67 | 71 | 80 | 90 | 100 | 112 | 125 | 132 | 140 |
|------|------|------|------|------|------|------|------|------|-------|--------|--------|--------|
| 100 | 0,10 | 0,12 | 0,13 | 0,14 | 0,16 | 0,19 | 0,23 | 0,27 | 0,32 | 0,37 | 0,39 | 0,43 |
| 200 | 0,19 | 0,22 | 0,24 | 0,27 | 0,30 | 0,37 | 0,44 | 0,52 | 0,61 | 0,70 | 0,75 | 0,81 |
| 500 | 0,41 | 0,48 | 0,54 | 0,61 | 0,68 | 0,84 | 1,02 | 1,20 | 1,41 | 1,64 | 1,76 | 1,90 |
| 700 | 0,55 | 0,65 | 0,72 | 0,82 | 0,92 | 1,14 | 1,39 | 1,63 | 1,92 | 2,23 | 2,40 | 2,58 |
| 900 | 0,68 | 0,81 | 0,90 | 1,03 | 1,15 | 1,43 | 1,74 | 2,05 | 2,41 | 2,80 | 3,01 | 3,25 |
| 1000 | 0,74 | 0,88 | 0,99 | 1,13 | 1,26 | 1,57 | 1,91 | 2,25 | 2,65 | 3,09 | 3,32 | 3,58 |
| 1400 | 0,99 | 1,18 | 1,32 | 1,51 | 1,70 | 2,12 | 2,59 | 3,05 | 3,59 | 4,18 | 4,49 | 4,85 |
| 1500 | 1,04 | 1,25 | 1,40 | 1,60 | 1,80 | 2,25 | 2,75 | 3,24 | 3,82 | 4,45 | 4,78 | 5,16 |
| 1700 | 1,16 | 1,39 | 1,56 | 1,78 | 2,01 | 2,52 | 3,07 | 3,62 | 4,27 | 4,97 | 5,34 | 5,76 |
| 1800 | 1,21 | 1,45 | 1,64 | 1,87 | 2,11 | 2,64 | 3,23 | 3,81 | 4,49 | 5,22 | 5,61 | 6,05 |
| 2500 | 1,58 | 1,91 | 2,15 | 2,47 | 2,79 | 3,51 | 4,29 | 5,06 | 5,97 | 6,93 | 7,43 | 8,00 |
| 2900 | 1,78 | 2,15 | 2,43 | 2,80 | 3,16 | 3,97 | 4,86 | 5,73 | 6,75 | 7,82 | 8,39 | 9,02 |
| 3000 | 1,82 | 2,21 | 2,49 | 2,87 | 3,25 | 4,09 | 5,00 | 5,89 | 6,94 | 8,04 | 8,62 | 9,26 |
| 3500 | 2,05 | 2,49 | 2,82 | 3,25 | 3,68 | 4,63 | 5,67 | 6,67 | 7,84 | 9,06 | 9,69 | 10,39 |
| 3600 | 2,09 | 2,55 | 2,88 | 3,32 | 3,76 | 4,74 | 5,79 | 6,82 | 8,01 | 9,25 | 9,89 | 10,60 |
| 4000 | 2,26 | 2,76 | 3,12 | 3,61 | 4,09 | 5,15 | 6,29 | 7,39 | 8,67 | 9,97 | 10,65 | 11,39 |
| 4500 | 2,46 | 3,00 | 3,41 | 3,94 | 4,46 | 5,62 | 6,86 | 8,05 | 9,41 | 10,78 | 11,47* | 12,23* |
| 5000 | 2,64 | 3,23 | 3,67 | 4,25 | 4,81 | 6,06 | 7,39 | 8,64 | 10,06 | 11,46* | 12,15* | |

P_d (kW) referred to i

| RPM | i | 1,00±1,01 | 1,02±1,05 | 1,06±1,26 | 1,27±1,57 | over 1,57 |
|------|------|-----------|-----------|-----------|-----------|-----------|
| 100 | 0,00 | 0,00 | 0,01 | 0,01 | 0,01 | 0,01 |
| 200 | 0,00 | 0,00 | 0,02 | 0,02 | 0,03 | 0,03 |
| 500 | 0,00 | 0,01 | 0,04 | 0,06 | 0,07 | 0,07 |
| 700 | 0,00 | 0,01 | 0,06 | 0,08 | 0,10 | 0,10 |
| 900 | 0,00 | 0,01 | 0,07 | 0,10 | 0,12 | 0,12 |
| 1000 | 0,00 | 0,01 | 0,08 | 0,11 | 0,14 | 0,14 |
| 1400 | 0,00 | 0,02 | 0,11 | 0,16 | 0,19 | 0,19 |
| 1500 | 0,00 | 0,02 | 0,12 | 0,17 | 0,21 | 0,21 |
| 1700 | 0,00 | 0,02 | 0,14 | 0,19 | 0,24 | 0,24 |
| 1800 | 0,00 | 0,02 | 0,14 | 0,21 | 0,25 | 0,25 |
| 2500 | 0,00 | 0,03 | 0,20 | 0,29 | 0,35 | 0,35 |
| 2900 | 0,00 | 0,04 | 0,23 | 0,33 | 0,40 | 0,40 |
| 3000 | 0,00 | 0,04 | 0,24 | 0,34 | 0,42 | 0,42 |
| 3500 | 0,00 | 0,04 | 0,28 | 0,40 | 0,49 | 0,49 |
| 3600 | 0,00 | 0,04 | 0,29 | 0,41 | 0,50 | 0,50 |
| 4000 | 0,00 | 0,05 | 0,32 | 0,46 | 0,55 | 0,55 |
| 4500 | 0,00 | 0,06 | 0,36 | 0,52 | 0,62 | 0,62 |
| 5000 | 0,00 | 0,06 | 0,40 | 0,57 | 0,69 | 0,69 |



* Belt speed is greater than 30 m/s then is necessary to use dynamically balanced pulleys. A reduction in belt life can be expected. Suggested a smaller section.

LINEA-X



XPA SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|---------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|
| XPA 667 | 685 | XPA 907 | 925 | XPA 1107 | 1125 | XPA 1282 | 1300 | XPA 1500 | 1518 | XPA 1757 | 1775 | XPA 2082 | 2100 | XPA 2582 | 2600 | XPA 3750 | 3768 |
| XPA 682 | 700 | XPA 932 | 950 | XPA 1120 | 1138 | XPA 1307 | 1325 | XPA 1507 | 1525 | XPA 1782 | 1800 | XPA 2120 | 2138 | XPA 2607 | 2625 | XPA 4000 | 4018 |
| XPA 732 | 750 | XPA 950 | 968 | XPA 1132 | 1150 | XPA 1320 | 1338 | XPA 1532 | 1550 | XPA 1800 | 1818 | XPA 2160 | 2178 | XPA 2632 | 2650 | XPA 4250 | 4268 |
| XPA 757 | 775 | XPA 957 | 975 | XPA 1150 | 1168 | XPA 1332 | 1350 | XPA 1557 | 1575 | XPA 1832 | 1850 | XPA 2182 | 2200 | XPA 2650 | 2668 | XPA 4500 | 4518 |
| XPA 782 | 800 | XPA 969 | 987 | XPA 1157 | 1175 | XPA 1357 | 1375 | XPA 1582 | 1600 | XPA 1850 | 1868 | XPA 2240 | 2258 | XPA 2682 | 2700 | | |
| XPA 800 | 818 | XPA 982 | 1000 | XPA 1180 | 1198 | XPA 1382 | 1400 | XPA 1600 | 1618 | XPA 1900 | 1918 | XPA 2282 | 2300 | XPA 2732 | 2750 | | |
| XPA 807 | 825 | XPA 1000 | 1018 | XPA 1182 | 1200 | XPA 1400 | 1418 | XPA 1607 | 1625 | XPA 1932 | 1950 | XPA 2300 | 2318 | XPA 2782 | 2800 | | |
| XPA 832 | 850 | XPA 1007 | 1025 | XPA 1207 | 1225 | XPA 1407 | 1425 | XPA 1632 | 1650 | XPA 1957 | 1975 | XPA 2360 | 2378 | XPA 2800 | 2818 | | |
| XPA 850 | 868 | XPA 1032 | 1050 | XPA 1232 | 1250 | XPA 1420 | 1438 | XPA 1650 | 1668 | XPA 1982 | 2000 | XPA 2432 | 2450 | XPA 3000 | 3018 | | |
| XPA 857 | 875 | XPA 1057 | 1075 | XPA 1250 | 1268 | XPA 1432 | 1450 | XPA 1682 | 1700 | XPA 2000 | 2018 | XPA 2482 | 2500 | XPA 3150 | 3168 | | |
| XPA 882 | 900 | XPA 1060 | 1078 | XPA 1257 | 1275 | XPA 1457 | 1475 | XPA 1700 | 1718 | XPA 2032 | 2050 | XPA 2500 | 2518 | XPA 3350 | 3368 | | |
| XPA 900 | 918 | XPA 1082 | 1100 | XPA 1272 | 1290 | XPA 1482 | 1500 | XPA 1732 | 1750 | XPA 2057 | 2075 | XPA 2532 | 2550 | XPA 3550 | 3568 | | |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | 80 | 85 | 90 | 95 | 100 | 106 | 112 | 125 | 140 | 160 | 180 | 200 |
|------|------|------|------|------|-------|-------|-------|--------|--------|--------|--------|--------|
| 100 | 0,25 | 0,28 | 0,31 | 0,34 | 0,37 | 0,41 | 0,45 | 0,53 | 0,63 | 0,75 | 0,87 | 1,00 |
| 200 | 0,45 | 0,51 | 0,58 | 0,64 | 0,70 | 0,77 | 0,85 | 1,00 | 1,18 | 1,42 | 1,66 | 1,90 |
| 500 | 1,00 | 1,15 | 1,29 | 1,44 | 1,58 | 1,76 | 1,93 | 2,30 | 2,73 | 3,29 | 3,85 | 4,40 |
| 700 | 1,33 | 1,53 | 1,73 | 1,93 | 2,13 | 2,37 | 2,60 | 3,11 | 3,69 | 4,46 | 5,23 | 5,98 |
| 900 | 1,65 | 1,90 | 2,15 | 2,40 | 2,65 | 2,95 | 3,25 | 3,89 | 4,63 | 5,60 | 6,55 | 7,50 |
| 1000 | 1,80 | 2,08 | 2,35 | 2,63 | 2,91 | 3,24 | 3,57 | 4,28 | 5,08 | 6,15 | 7,20 | 8,24 |
| 1400 | 2,37 | 2,76 | 3,13 | 3,51 | 3,89 | 4,34 | 4,79 | 5,75 | 6,84 | 8,28 | 9,70 | 11,09 |
| 1500 | 2,51 | 2,92 | 3,32 | 3,72 | 4,13 | 4,60 | 5,08 | 6,10 | 7,27 | 8,80 | 10,30 | 11,78 |
| 1700 | 2,78 | 3,23 | 3,69 | 4,14 | 4,59 | 5,12 | 5,66 | 6,80 | 8,10 | 9,80 | 11,47 | 13,11 |
| 1800 | 2,91 | 3,39 | 3,87 | 4,34 | 4,82 | 5,38 | 5,94 | 7,14 | 8,51 | 10,29 | 12,04 | 13,75 |
| 2500 | 3,77 | 4,41 | 5,05 | 5,69 | 6,32 | 7,07 | 7,81 | 9,40 | 11,19 | 13,51 | 15,74 | 17,89 |
| 2900 | 4,21 | 4,95 | 5,67 | 6,39 | 7,11 | 7,96 | 8,80 | 10,58 | 12,59 | 15,16 | 17,61 | 19,93* |
| 3000 | 4,32 | 5,07 | 5,82 | 6,56 | 7,30 | 8,17 | 9,03 | 10,87 | 12,92 | 15,55 | 18,04 | 20,40* |
| 3500 | 4,82 | 5,68 | 6,53 | 7,37 | 8,20 | 9,19 | 10,16 | 12,21 | 14,48 | 17,35 | 20,02* | |
| 3600 | 4,92 | 5,80 | 6,67 | 7,53 | 8,38 | 9,38 | 10,37 | 12,46 | 14,77 | 17,68* | 20,37* | |
| 4000 | 5,28 | 6,24 | 7,18 | 8,11 | 9,03 | 10,11 | 11,18 | 13,41 | 15,86 | 18,89* | | |
| 4500 | 5,69 | 6,73 | 7,76 | 8,78 | 9,77 | 10,94 | 12,09 | 14,46 | 17,03* | | | |
| 5000 | 6,04 | 7,17 | 8,28 | 9,36 | 10,42 | 11,67 | 12,87 | 15,36* | | | | |

P_d (kW) referred to i

| RPM | i | 1,00+1,01 | 1,02+1,05 | 1,06+1,26 | 1,27+1,57 | over 1,57 |
|------|------|-----------|-----------|-----------|-----------|-----------|
| 100 | 0,00 | 0,00 | 0,02 | 0,03 | 0,03 | |
| 200 | 0,00 | 0,01 | 0,04 | 0,05 | 0,06 | |
| 500 | 0,00 | 0,01 | 0,09 | 0,13 | 0,16 | |
| 700 | 0,00 | 0,02 | 0,13 | 0,18 | 0,22 | |
| 900 | 0,00 | 0,03 | 0,16 | 0,23 | 0,28 | |
| 1000 | 0,00 | 0,03 | 0,18 | 0,26 | 0,31 | |
| 1400 | 0,00 | 0,04 | 0,25 | 0,36 | 0,44 | |
| 1500 | 0,00 | 0,04 | 0,27 | 0,39 | 0,47 | |
| 1700 | 0,00 | 0,05 | 0,30 | 0,44 | 0,53 | |
| 1800 | 0,00 | 0,05 | 0,32 | 0,46 | 0,56 | |
| 2500 | 0,00 | 0,07 | 0,45 | 0,64 | 0,78 | |
| 2900 | 0,00 | 0,08 | 0,52 | 0,75 | 0,90 | |
| 3000 | 0,00 | 0,08 | 0,54 | 0,77 | 0,93 | |
| 3500 | 0,00 | 0,10 | 0,63 | 0,90 | 1,09 | |
| 3600 | 0,00 | 0,10 | 0,64 | 0,93 | 1,12 | |
| 4000 | 0,00 | 0,11 | 0,72 | 1,03 | 1,24 | |
| 4500 | 0,00 | 0,13 | 0,81 | 1,16 | 1,40 | |
| 5000 | 0,00 | 0,14 | 0,90 | 1,29 | 1,56 | |



XPB SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|
| XPB 1250 | 1272 | XPB 1410 | 1432 | XPB 1650 | 1672 | XPB 2000 | 2022 | XPB 2280 | 2302 | XPB 2650 | 2672 | XPB 2990 | 3012 | XPB 3350 | 3372 | XPB 4060 | 4082 |
| XPB 1260 | 1282 | XPB 1500 | 1522 | XPB 1690 | 1712 | XPB 2020 | 2042 | XPB 2360 | 2382 | XPB 2680 | 2702 | XPB 3000 | 3022 | XPB 3550 | 3572 | XPB 4250 | 4272 |
| XPB 1320 | 1342 | XPB 1510 | 1532 | XPB 1700 | 1722 | XPB 2120 | 2142 | XPB 2410 | 2432 | XPB 2800 | 2822 | XPB 3150 | 3172 | XPB 3750 | 3772 | XPB 4500 | 4522 |
| XPB 1340 | 1362 | XPB 1590 | 1612 | XPB 1800 | 1822 | XPB 2150 | 2172 | XPB 2500 | 2522 | XPB 2840 | 2862 | XPB 3170 | 3192 | XPB 3800 | 3822 | XPB 4750 | 4772 |
| XPB 1400 | 1422 | XPB 1600 | 1622 | XPB 1900 | 1922 | XPB 2240 | 2262 | XPB 2530 | 2552 | XPB 2900 | 2922 | XPB 3340 | 3362 | XPB 4000 | 4022 | XPB 5000 | 5022 |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | 112 | 118 | 125 | 132 | 140 | 160 | 180 | 200 | 224 | 250 | 265 | 280 |
|------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 100 | 0,57 | 0,63 | 0,70 | 0,77 | 0,85 | 1,06 | 1,26 | 1,46 | 1,70 | 1,95 | 2,10 | 2,25 |
| 200 | 1,04 | 1,16 | 1,30 | 1,44 | 1,60 | 1,99 | 2,37 | 2,76 | 3,22 | 3,71 | 3,99 | 4,27 |
| 500 | 2,32 | 2,60 | 2,93 | 3,25 | 3,63 | 4,55 | 5,46 | 6,37 | 7,44 | 8,60 | 9,27 | 9,93 |
| 700 | 3,10 | 3,48 | 3,93 | 4,38 | 4,88 | 6,14 | 7,39 | 8,63 | 10,09 | 11,67 | 12,57 | 13,47 |
| 900 | 3,84 | 4,32 | 4,89 | 5,45 | 6,09 | 7,68 | 9,24 | 10,80 | 12,64 | 14,61 | 15,74 | 16,85 |
| 1000 | 4,19 | 4,73 | 5,35 | 5,97 | 6,67 | 8,42 | 10,15 | 11,85 | 13,88 | 16,04 | 17,27 | 18,49 |
| 1400 | 5,54 | 6,27 | 7,12 | 7,96 | 8,91 | 11,28 | 13,60 | 15,89 | 18,59 | 21,45 | 23,07 | 24,66 |
| 1500 | 5,86 | 6,64 | 7,54 | 8,43 | 9,45 | 11,96 | 14,43 | 16,85 | 19,70 | 22,72 | 24,42 | 26,10 |
| 1700 | 6,48 | 7,35 | 8,36 | 9,36 | 10,49 | 13,29 | 16,03 | 18,72 | 21,86 | 25,17 | 27,03 | 28,85 |
| 1800 | 6,79 | 7,70 | 8,76 | 9,81 | 11,00 | 13,93 | 16,81 | 19,62 | 22,90 | 26,34 | 28,27 | 30,16 |
| 2500 | 8,73 | 9,94 | 11,34 | 12,73 | 14,29 | 18,11 | 21,79 | 25,33 | 29,37 | 33,48* | 35,72* | |
| 2900 | 9,71 | 11,08 | 12,65 | 14,21 | 15,95 | 20,19 | 24,23 | 28,06* | 32,36* | | | |
| 3000 | 9,94 | 11,35 | 12,96 | 14,55 | 16,34 | 20,68 | 24,79 | 28,68* | | | | |
| 3500 | 11,00 | 12,57 | 14,37 | 16,14 | 18,12 | 22,86 | 27,28* | | | | | |
| 3600 | 11,19 | 12,79 | 14,63 | 16,43 | 18,45 | 23,25* | 27,71* | | | | | |
| 4000 | 11,88 | 13,60 | 15,57 | 17,48 | 19,61 | 24,63* | | | | | | |
| 4500 | 12,59 | 14,43 | 16,52 | 18,54* | 20,77* | | | | | | | |
| 5000 | 13,10 | 15,04* | 17,22* | 19,31* | | | | | | | | |

P_d (kW) referred to i

| RPM | i | 1,00+1,01 | 1,02+1,05 | 1,06+1,26 | 1,27+1,57 | over 1,57 |
|------|------|-----------|-----------|-----------|-----------|-----------|
| 100 | 0,00 | 0,01 | 0,04 | 0,06 | 0,07 | |
| 200 | 0,00 | 0,01 | 0,08 | 0,11 | 0,14 | |
| 500 | 0,00 | 0,03 | 0,20 | 0,28 | 0,34 | |
| 700 | 0,00 | 0,04 | 0,27 | 0,39 | 0,47 | |
| 900 | 0,00 | 0,05 | 0,35 | 0,50 | 0,61 | |
| 1000 | 0,00 | 0,06 | 0,39 | 0,56 | 0,68 | |
| 1400 | 0,00 | 0,09 | 0,55 | 0,78 | 0,95 | |
| 1500 | 0,00 | 0,09 | 0,59 | 0,84 | 1,02 | |
| 1700 | 0,00 | 0,10 | 0,66 | 0,95 | 1,15 | |
| 1800 | 0,00 | 0,11 | 0,70 | 1,01 | 1,22 | |
| 2500 | 0,00 | 0,15 | 0,98 | 1,40 | 1,69 | |
| 2900 | 0,00 | 0,18 | 1,13 | 1,62 | 1,97 | |
| 3000 | 0,00 | 0,18 | 1,17 | 1,68 | 2,03 | |
| 3500 | 0,00 | 0,21 | 1,37 | 1,96 | 2,37 | |
| 3600 | 0,00 | 0,22 | 1,40 | 2,02 | 2,44 | |
| 4000 | 0,00 | 0,24 | 1,56 | 2,24 | 2,71 | |
| 4500 | 0,00 | 0,27 | 1,76 | 2,52 | 3,05 | |
| 5000 | 0,00 | 0,31 | 1,95 | 2,80 | 3,39 | |

* Belt speed is greater than 30 m/s then is necessary to use dynamically balanced pulleys. A reduction in belt life can be expected. Suggested a smaller section.



XPC SECTION

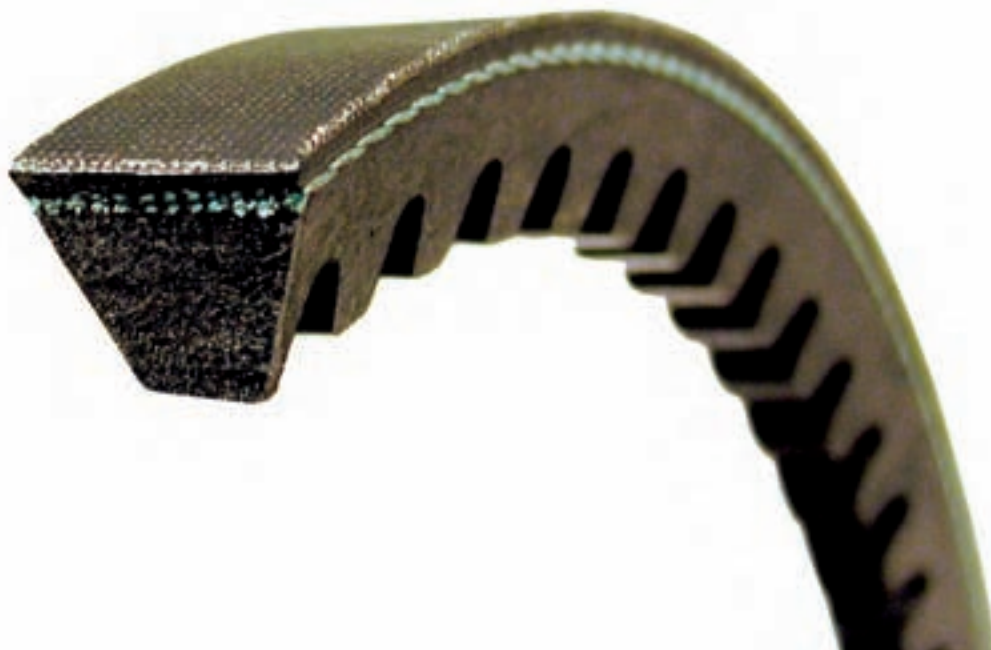
| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|
| XPC 2000 | 2030 | XPC 2240 | 2270 | XPC 2500 | 2530 | XPC 2800 | 2830 | XPC 3150 | 3180 | XPC 3550 | 3580 | XPC 4000 | 4030 | XPC 4500 | 4530 |
| XPC 2120 | 2150 | XPC 2360 | 2390 | XPC 2650 | 2680 | XPC 3000 | 3030 | XPC 3350 | 3380 | XPC 3750 | 3780 | XPC 4250 | 4280 | XPC 4750 | 4780 |
| | | | | | | | | | | | | | | XPC 5000 | 5030 |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | 180 | 200 | 224 | 250 | 280 | 315 | 335 | 400 | 500 | 560 | 630 | 710 |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 100 | 1,47 | 1,76 | 2,10 | 2,47 | 2,90 | 3,40 | 3,68 | 4,60 | 6,01 | 6,86 | 7,83 | 8,95 |
| 200 | 2,86 | 3,43 | 4,10 | 4,84 | 5,68 | 6,66 | 7,22 | 9,02 | 11,79 | 13,43 | 15,35 | 17,52 |
| 300 | 4,22 | 5,06 | 6,07 | 7,15 | 8,40 | 9,85 | 10,68 | 13,35 | 17,43 | 19,85 | 22,66 | 25,83 |
| 400 | 5,56 | 6,67 | 8,00 | 9,43 | 11,08 | 12,99 | 14,08 | 17,60 | 22,94 | 26,10 | 29,74 | 33,84 |
| 500 | 6,88 | 8,25 | 9,90 | 11,68 | 13,72 | 16,08 | 17,43 | 21,76 | 28,31 | 32,16 | 36,57 | 41,50 |
| 600 | 8,18 | 9,82 | 11,78 | 13,90 | 16,32 | 19,12 | 20,72 | 25,83 | 33,51 | 38,00 | 43,10 | 48,75 |
| 700 | 9,46 | 11,36 | 13,64 | 16,08 | 18,88 | 22,11 | 23,94 | 29,80 | 38,54 | 43,59 | 49,29 | 55,51 |
| 900 | 11,98 | 14,39 | 17,26 | 20,34 | 23,85 | 27,89 | 30,17 | 37,40 | 47,96 | 53,91 | 60,45 | 67,32 |
| 1000 | 13,22 | 15,87 | 19,03 | 22,42 | 26,27 | 30,68 | 33,17 | 41,01 | 52,30 | 58,57 | 65,32 | |
| 1400 | 17,97 | 21,56 | 25,80 | 30,30 | 35,35 | 41,05 | 44,20 | 53,86 | | | | |
| 1500 | 19,11 | 22,92 | 27,40 | 32,15 | 37,46 | 43,41 | 46,69 | 56,62 | | | | |
| 1700 | 21,32 | 25,54 | 30,49 | 35,68 | 41,44 | 47,82 | 51,28 | | | | | |
| 1800 | 22,39 | 26,81 | 31,97 | 37,36 | 43,32 | 49,85 | 53,37 | | | | | |
| 2000 | 24,45 | 29,23 | 34,78 | 40,53 | 46,80 | 53,55 | | | | | | |
| 2500 | 29,12 | 34,65 | 40,91 | 47,20 | | | | | | | | |
| 2900 | 32,28 | 38,19 | 44,73 | | | | | | | | | |
| 3000 | 32,98 | 38,96 | | | | | | | | | | |
| 3500 | 35,89 | | | | | | | | | | | |

P_d (kW) referred to i

| RPM | i | 1,00±1,01 | 1,02±1,05 | 1,06±1,26 | 1,27±1,57 | over 1,57 |
|------|------|-----------|-----------|-----------|-----------|-----------|
| 100 | 0,00 | 0,01 | 0,07 | 0,10 | 0,12 | |
| 200 | 0,00 | 0,02 | 0,14 | 0,20 | 0,25 | |
| 300 | 0,00 | 0,03 | 0,21 | 0,30 | 0,37 | |
| 400 | 0,00 | 0,04 | 0,28 | 0,41 | 0,49 | |
| 500 | 0,00 | 0,06 | 0,35 | 0,51 | 0,61 | |
| 600 | 0,00 | 0,07 | 0,42 | 0,61 | 0,74 | |
| 700 | 0,00 | 0,08 | 0,49 | 0,71 | 0,86 | |
| 900 | 0,00 | 0,10 | 0,64 | 0,91 | 1,10 | |
| 1000 | 0,00 | 0,11 | 0,71 | 1,01 | 1,23 | |
| 1400 | 0,00 | 0,15 | 0,99 | 1,42 | 1,72 | |
| 1500 | 0,00 | 0,17 | 1,06 | 1,52 | 1,84 | |
| 1700 | 0,00 | 0,19 | 1,20 | 1,72 | 2,08 | |
| 1800 | 0,00 | 0,20 | 1,27 | 1,82 | 2,21 | |
| 2000 | 0,00 | 0,22 | 1,41 | 2,03 | 2,45 | |
| 2500 | 0,00 | 0,28 | 1,76 | 2,53 | 3,07 | |
| 2900 | 0,00 | 0,32 | 2,05 | 2,94 | 3,56 | |
| 3000 | 0,00 | 0,33 | 2,12 | 3,04 | 3,68 | |
| 3500 | 0,00 | 0,39 | 2,47 | 3,55 | 4,29 | |



BELT CHARACTERISTICS

| section | 3V | 5V | 8V |
|---|---|-----|-----|
| a (mm) | 9 | 15 | 25 |
| s (mm) | 8 | 13 | 23 |
| pitch length - internal length = Δ_i (mm) | 31 | 54 | 103 |
| external length - pitch length = Δ_e (mm) | 20 | 27 | 41 |
| weight (gr/m) | 90 | 210 | 620 |
| min. pulley diam. (mm) | 50 | 170 | 315 |
| working temperature | -30°C ÷ +80°C | | |
| relevant standards | RMA/MTPA IP22 - ASAE S 211-4 | | |
| relevant antistatic standard | ISO 1813 | | |
| materials | CR blend - polyester cord - cotton/polyester fabric | | |

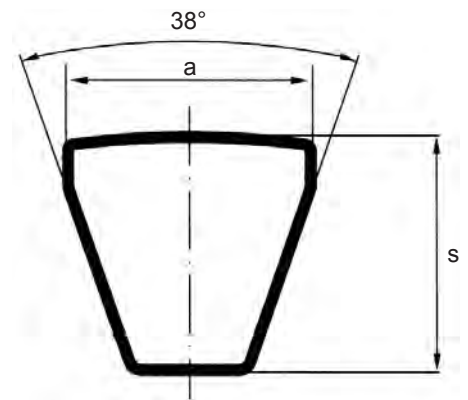


TABLE 3 - CORRECTION FACTOR C_L according to type and length of the belt

| | 635 | 850 | 1080 | 1205 | 1270 | 1700 | 2030 | 2415 | 2690 | 3175 | 3555 | 3810 | 4570 | 5690 | 8000 | 8500 | 9000 | 10800 | 12060 | 12700 | |
|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--|
| 3V | 0,83 | 0,88 | 0,93 | 0,95 | 0,96 | 1,01 | 1,04 | 1,08 | 1,10 | 1,13 | 1,15 | | | | | | | | | | |
| 5V | | | | | 0,85 | 0,90 | 0,93 | 0,96 | 0,97 | 1,00 | 1,02 | 1,03 | 1,06 | 1,09 | 1,15 | 1,16 | 1,17 | | | | |
| 8V | | | | | | | | | 0,88 | 0,90 | 0,92 | 0,93 | 0,95 | 0,98 | 1,03 | 1,04 | 1,05 | 1,08 | 1,09 | 1,10 | |

TABLE 5 - INSTALLATION AND TAKE UP ALLOWANCE

| L (mm) | Y (mm) | | | X (mm) |
|--------------|--------|----|----|--------|
| | 3V | 5V | 8V | |
| 635 ÷ 1145 | 15 | | | 25 |
| 1205 ÷ 3555 | 20 | 25 | 40 | 55 |
| 3810 ÷ 5080 | | 25 | 45 | 65 |
| 5385 ÷ 6350 | | 35 | 45 | 105 |
| 6730 ÷ 9000 | | 35 | 50 | 105 |
| 9500 ÷ 12700 | | | 50 | 140 |





3V SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|------|-------------------------------------|
| 3V 250 | 635 | 3V 315 | 800 | 3V 400 | 1015 | 3V 500 | 1270 | 3V 630 | 1600 | 3V 800 | 2030 | 3V 1000 | 2540 | 3V 1250 | 3175 | | |
| 3V 265 | 675 | 3V 335 | 850 | 3V 425 | 1080 | 3V 530 | 1345 | 3V 670 | 1700 | 3V 850 | 2160 | 3V 1060 | 2690 | 3V 1320 | 3355 | | |
| 3V 280 | 710 | 3V 355 | 900 | 3V 450 | 1145 | 3V 560 | 1420 | 3V 710 | 1805 | 3V 900 | 2285 | 3V 1120 | 2845 | 3V 1400 | 3555 | | |
| 3V 300 | 760 | 3V 375 | 955 | 3V 475 | 1205 | 3V 600 | 1525 | 3V 750 | 1905 | 3V 950 | 2415 | 3V 1180 | 2995 | | | | |

TABLE 4 - P_d (kW) referred to d (mm)

P_d (kW) referred to i

| RPM \ mm | 63 | 71 | 80 | 90 | 100 | 112 | 125 | 140 | 150 | 160 | 170 | 180 |
|----------|------|------|------|------|-------|------|-------|------|-------|-------|--------|--------|
| 100 | 0,10 | 0,13 | 0,16 | 0,20 | 0,24 | 0,28 | 0,33 | 0,38 | 0,41 | 0,45 | 0,48 | 0,52 |
| 200 | 0,18 | 0,24 | 0,30 | 0,37 | 0,44 | 0,52 | 0,61 | 0,71 | 0,78 | 0,85 | 0,91 | 0,98 |
| 500 | 0,39 | 0,52 | 0,67 | 0,83 | 0,99 | 1,19 | 1,39 | 1,63 | 1,79 | 1,94 | 2,10 | 2,25 |
| 700 | 0,51 | 0,69 | 0,89 | 1,11 | 1,34 | 1,60 | 1,88 | 2,20 | 2,42 | 2,63 | 2,84 | 3,05 |
| 900 | 0,62 | 0,85 | 1,10 | 1,38 | 1,66 | 1,99 | 2,35 | 2,75 | 3,02 | 3,28 | 3,55 | 3,81 |
| 1000 | 0,67 | 0,92 | 1,20 | 1,51 | 1,82 | 2,18 | 2,57 | 3,02 | 3,31 | 3,60 | 3,89 | 4,17 |
| 1400 | 0,87 | 1,21 | 1,59 | 2,01 | 2,42 | 2,92 | 3,44 | 4,03 | 4,43 | 4,81 | 5,19 | 5,57 |
| 1500 | 0,91 | 1,28 | 1,68 | 2,13 | 2,57 | 3,09 | 3,65 | 4,28 | 4,69 | 5,10 | 5,50 | 5,90 |
| 1700 | 1,00 | 1,41 | 1,86 | 2,36 | 2,85 | 3,43 | 4,05 | 4,75 | 5,21 | 5,66 | 6,10 | 6,54 |
| 1800 | 1,04 | 1,47 | 1,95 | 2,47 | 2,99 | 3,60 | 4,25 | 4,98 | 5,46 | 5,93 | 6,39 | 6,84 |
| 2500 | 1,31 | 1,88 | 2,52 | 3,21 | 3,89 | 4,68 | 5,52 | 6,45 | 7,05 | 7,63 | 8,19 | 8,74 |
| 2900 | 1,44 | 2,09 | 2,81 | 3,59 | 4,35 | 5,23 | 6,16 | 7,17 | 7,82 | 8,44 | 9,04 | 9,60 |
| 3000 | 1,47 | 2,14 | 2,88 | 3,68 | 4,46 | 5,36 | 6,31 | 7,34 | 8,00 | 8,63 | 9,22 | 9,79 |
| 3400 | 1,58 | 2,32 | 3,14 | 4,02 | 4,87 | 5,85 | 6,86 | 7,95 | 8,63 | 9,27 | 9,87 | 10,43* |
| 3600 | 1,63 | 2,41 | 3,26 | 4,18 | 5,06 | 6,07 | 7,11 | 8,22 | 8,90 | 9,54 | 10,13* | 10,68* |
| 4000 | 1,72 | 2,57 | 3,49 | 4,47 | 5,41 | 6,47 | 7,55 | 8,67 | 9,35* | 9,97* | | |
| 5000 | 1,88 | 2,87 | 3,93 | 5,04 | 6,07 | 7,19 | 8,26* | | | | | |
| 6000 | 1,94 | 3,03 | 4,18 | 5,35 | 6,39* | | | | | | | |

| RPM \ i | 1,00+1,01 | 1,02+1,05 | 1,06+1,11 | 1,12+1,18 | 1,19+1,26 | 1,27+1,38 | 1,39+1,57 | 1,58+1,94 | 1,95+3,38 | over 3,39 |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 100 | 0,00 | 0,00 | 0,00 | 0,01 | 0,01 | 0,01 | 0,01 | 0,01 | 0,01 | 0,02 |
| 200 | 0,00 | 0,00 | 0,01 | 0,01 | 0,02 | 0,02 | 0,03 | 0,03 | 0,03 | 0,03 |
| 500 | 0,00 | 0,01 | 0,02 | 0,03 | 0,05 | 0,06 | 0,06 | 0,07 | 0,08 | 0,08 |
| 700 | 0,00 | 0,01 | 0,03 | 0,05 | 0,06 | 0,08 | 0,09 | 0,10 | 0,11 | 0,12 |
| 900 | 0,00 | 0,01 | 0,03 | 0,06 | 0,08 | 0,10 | 0,12 | 0,13 | 0,14 | 0,15 |
| 1000 | 0,00 | 0,01 | 0,04 | 0,07 | 0,09 | 0,11 | 0,13 | 0,15 | 0,16 | 0,17 |
| 1400 | 0,00 | 0,02 | 0,05 | 0,09 | 0,13 | 0,15 | 0,18 | 0,20 | 0,22 | 0,23 |
| 1500 | 0,00 | 0,02 | 0,06 | 0,10 | 0,14 | 0,17 | 0,19 | 0,22 | 0,24 | 0,25 |
| 1700 | 0,00 | 0,02 | 0,07 | 0,11 | 0,15 | 0,19 | 0,22 | 0,25 | 0,27 | 0,29 |
| 1800 | 0,00 | 0,03 | 0,07 | 0,12 | 0,16 | 0,20 | 0,23 | 0,26 | 0,29 | 0,30 |
| 2500 | 0,00 | 0,04 | 0,10 | 0,17 | 0,23 | 0,28 | 0,32 | 0,36 | 0,40 | 0,42 |
| 2900 | 0,00 | 0,04 | 0,11 | 0,19 | 0,26 | 0,32 | 0,37 | 0,42 | 0,46 | 0,49 |
| 3000 | 0,00 | 0,04 | 0,12 | 0,20 | 0,27 | 0,33 | 0,39 | 0,44 | 0,48 | 0,50 |
| 3400 | 0,00 | 0,05 | 0,13 | 0,23 | 0,31 | 0,38 | 0,44 | 0,49 | 0,54 | 0,57 |
| 3600 | 0,00 | 0,05 | 0,14 | 0,24 | 0,33 | 0,40 | 0,47 | 0,52 | 0,57 | 0,60 |
| 4000 | 0,00 | 0,06 | 0,15 | 0,27 | 0,36 | 0,44 | 0,52 | 0,58 | 0,63 | 0,67 |
| 5000 | 0,00 | 0,07 | 0,19 | 0,33 | 0,46 | 0,55 | 0,65 | 0,73 | 0,79 | 0,84 |
| 6000 | 0,00 | 0,08 | 0,23 | 0,40 | 0,55 | 0,66 | 0,78 | 0,87 | 0,95 | 1,01 |



* Belt speed is greater than 30 m/s then is necessary to use dynamically balanced pulleys. A reduction in belt life can be expected. Suggested a smaller section.



5V SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|
| 5V 500 | 1270 | 5V 630 | 1600 | 5V 800 | 2030 | 5V 1000 | 2540 | 5V 1250 | 3180 | 5V 1600 | 4060 | 5V 2000 | 5080 | 5V 2500 | 6350 |
| 5V 530 | 1345 | 5V 670 | 1700 | 5V 850 | 2160 | 5V 1060 | 2690 | 5V 1320 | 3350 | 5V 1700 | 4320 | 5V 2120 | 5380 | 5V 2650 | 6730 |
| 5V 560 | 1420 | 5V 710 | 1800 | 5V 900 | 2290 | 5V 1120 | 2840 | 5V 1400 | 3550 | 5V 1800 | 4570 | 5V 2240 | 5690 | 5V 2800 | 7100 |
| 5V 600 | 1525 | 5V 750 | 1900 | 5V 950 | 2410 | 5V 1180 | 3000 | 5V 1500 | 3810 | 5V 1900 | 4830 | 5V 2360 | 6000 | 5V 3000 | 7620 |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | 140 | 150 | 160 | 170 | 180 | 200 | 224 | 250 | 280 | 315 | 355 | 400 |
|------|-------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|
| 100 | 0,66 | 0,75 | 0,85 | 0,94 | 1,04 | 1,22 | 1,45 | 1,69 | 1,96 | 2,28 | 2,64 | 3,04 |
| 200 | 1,20 | 1,38 | 1,56 | 1,74 | 1,92 | 2,28 | 2,70 | 3,16 | 3,68 | 4,29 | 4,97 | 5,74 |
| 500 | 2,60 | 3,02 | 3,45 | 3,87 | 4,29 | 5,12 | 6,11 | 7,16 | 8,37 | 9,76 | 11,33 | 13,06 |
| 700 | 3,43 | 4,00 | 4,58 | 5,15 | 5,72 | 6,85 | 8,18 | 9,61 | 11,23 | 13,08 | 15,16 | 17,43 |
| 900 | 4,19 | 4,92 | 5,64 | 6,35 | 7,06 | 8,47 | 10,13 | 11,89 | 13,88 | 16,15 | 18,66 | 21,38 |
| 1000 | 4,56 | 5,35 | 6,14 | 6,93 | 7,71 | 9,24 | 11,05 | 12,98 | 15,14 | 17,59 | 20,29 | 23,18 |
| 1400 | 5,88 | 6,95 | 8,00 | 9,04 | 10,07 | 12,09 | 14,44 | 16,90 | 19,62 | 22,62 | 25,81 | 29,05 |
| 1500 | 6,19 | 7,31 | 8,43 | 9,53 | 10,61 | 12,73 | 15,20 | 17,77 | 20,60 | 23,68 | 26,92 | 30,14* |
| 1700 | 6,75 | 8,00 | 9,23 | 10,44 | 11,63 | 13,95 | 16,62 | 19,38 | 22,36 | 25,54 | 28,77* | |
| 1800 | 7,02 | 8,32 | 9,60 | 10,86 | 12,10 | 14,51 | 17,27 | 20,10 | 23,13 | 26,33 | 29,49* | |
| 2000 | 7,51 | 8,92 | 10,30 | 11,66 | 12,98 | 15,55 | 18,46 | 21,39 | 24,47 | 27,60* | | |
| 2500 | 8,51 | 10,14 | 11,73 | 13,27 | 14,76 | 17,58 | 20,65 | 23,58* | | | | |
| 2900 | 9,05 | 10,82 | 12,52 | 14,14 | 15,69 | 18,55* | 21,52* | | | | | |
| 3000 | 9,15 | 10,94 | 12,66 | 14,30 | 15,85 | 18,69* | | | | | | |
| 3500 | 9,40 | 11,27 | 13,02 | 14,65* | 16,16* | | | | | | | |
| 3600 | 9,40 | 11,27 | 13,02 | 14,64* | 16,12* | | | | | | | |
| 4000 | 9,21 | 11,06* | 12,75* | | | | | | | | | |
| 4600 | 8,33* | | | | | | | | | | | |

P_d (kW) referred to i

| RPM | i | 1,00±1,01 | 1,02±1,05 | 1,06±1,11 | 1,12±1,18 | 1,19±1,26 | 1,27±1,38 | 1,39±1,57 | 1,58±1,94 | 1,95±3,38 | over 3,39 |
|------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 100 | 0,00 | 0,01 | 0,02 | 0,03 | 0,05 | 0,06 | 0,07 | 0,07 | 0,08 | 0,08 | 0,09 |
| 200 | 0,00 | 0,01 | 0,04 | 0,07 | 0,09 | 0,11 | 0,13 | 0,15 | 0,16 | 0,16 | 0,17 |
| 500 | 0,00 | 0,04 | 0,10 | 0,17 | 0,23 | 0,28 | 0,33 | 0,37 | 0,41 | 0,41 | 0,43 |
| 700 | 0,00 | 0,05 | 0,14 | 0,24 | 0,33 | 0,40 | 0,47 | 0,52 | 0,57 | 0,57 | 0,61 |
| 900 | 0,00 | 0,07 | 0,18 | 0,31 | 0,42 | 0,51 | 0,60 | 0,67 | 0,73 | 0,73 | 0,78 |
| 1000 | 0,00 | 0,07 | 0,20 | 0,34 | 0,47 | 0,57 | 0,67 | 0,75 | 0,82 | 0,82 | 0,86 |
| 1400 | 0,00 | 0,10 | 0,28 | 0,48 | 0,66 | 0,80 | 0,93 | 1,05 | 1,14 | 1,14 | 1,21 |
| 1500 | 0,00 | 0,11 | 0,30 | 0,52 | 0,70 | 0,85 | 1,00 | 1,12 | 1,22 | 1,22 | 1,30 |
| 1700 | 0,00 | 0,12 | 0,34 | 0,59 | 0,80 | 0,97 | 1,13 | 1,27 | 1,39 | 1,39 | 1,47 |
| 1800 | 0,00 | 0,13 | 0,36 | 0,62 | 0,84 | 1,02 | 1,20 | 1,35 | 1,47 | 1,47 | 1,56 |
| 2000 | 0,00 | 0,15 | 0,40 | 0,69 | 0,94 | 1,14 | 1,33 | 1,50 | 1,63 | 1,63 | 1,73 |
| 2500 | 0,00 | 0,18 | 0,49 | 0,86 | 1,17 | 1,42 | 1,66 | 1,87 | 2,04 | 2,04 | 2,16 |
| 2900 | 0,00 | 0,21 | 0,57 | 1,00 | 1,36 | 1,65 | 1,93 | 2,17 | 2,37 | 2,37 | 2,51 |
| 3000 | 0,00 | 0,22 | 0,59 | 1,03 | 1,41 | 1,71 | 2,00 | 2,25 | 2,45 | 2,45 | 2,59 |
| 3500 | 0,00 | 0,25 | 0,69 | 1,21 | 1,64 | 1,99 | 2,33 | 2,62 | 2,86 | 2,86 | 3,03 |
| 3600 | 0,00 | 0,26 | 0,71 | 1,24 | 1,69 | 2,05 | 2,40 | 2,70 | 2,94 | 2,94 | 3,11 |
| 4000 | 0,00 | 0,29 | 0,79 | 1,38 | 1,88 | 2,27 | 2,66 | 3,00 | 3,27 | 3,27 | 3,46 |
| 4600 | 0,00 | 0,33 | 0,91 | 1,59 | 2,16 | 2,62 | 3,06 | 3,45 | 3,76 | 3,76 | 3,98 |

* Belt speed is greater than 30 m/s then is necessary to use dynamically balanced pulleys. A reduction in belt life can be expected. Suggested a smaller section.



8V SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|
| 8V 1000 | 2540 | 8V 1250 | 3180 | 8V 1600 | 4060 | 8V 2000 | 5080 | 8V 2500 | 6350 | 8V 3150 | 8000 | 8V 4000 | 10160 | 8V 5000 | 12700 |
| 8V 1060 | 2690 | 8V 1320 | 3350 | 8V 1700 | 4320 | 8V 2120 | 5380 | 8V 2650 | 6730 | 8V 3350 | 8500 | 8V 4250 | 10800 | | |
| 8V 1120 | 2840 | 8V 1400 | 3550 | 8V 1800 | 4570 | 8V 2240 | 5690 | 8V 2800 | 7100 | 8V 3550 | 9000 | 8V 4500 | 11430 | | |
| 8V 1180 | 3000 | 8V 1500 | 3810 | 8V 1900 | 4830 | 8V 2360 | 6000 | 8V 3000 | 7620 | 8V 3750 | 9500 | 8V 4750 | 12060 | | |

TABLE 4 - P_d (kW) referred to d (mm)

P_d (kW) referred to i

| RPM | 315 | 335 | 355 | 375 | 400 | 425 | 475 | 530 | 600 | 670 | 750 | 800 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| 50 | 2,36 | 2,62 | 2,89 | 3,15 | 3,48 | 3,80 | 4,45 | 5,16 | 6,06 | 6,95 | 7,96 | 8,58 |
| 100 | 4,35 | 4,86 | 5,36 | 5,87 | 6,49 | 7,12 | 8,36 | 9,71 | 11,42 | 13,11 | 15,03 | 16,22 |
| 150 | 6,21 | 6,95 | 7,68 | 8,42 | 9,33 | 10,24 | 12,04 | 14,01 | 16,49 | 18,95 | 21,73 | 23,45 |
| 200 | 7,97 | 8,93 | 9,89 | 10,85 | 12,04 | 13,22 | 15,58 | 18,14 | 21,36 | 24,55 | 28,15 | 30,37 |
| 300 | 11,28 | 12,68 | 14,07 | 15,46 | 17,18 | 18,89 | 22,29 | 25,97 | 30,59 | 35,13 | 40,23 | 43,36 |
| 400 | 14,37 | 16,19 | 17,99 | 19,79 | 22,01 | 24,22 | 28,58 | 33,30 | 39,18 | 44,93 | 51,32 | 55,21 |
| 500 | 17,28 | 19,49 | 21,68 | 23,86 | 26,56 | 29,23 | 34,48 | 40,14 | 47,14 | 53,90 | 61,33 | 65,79 |
| 600 | 20,01 | 22,59 | 25,15 | 27,69 | 30,82 | 33,92 | 39,99 | 46,47 | 54,40 | 61,97 | 70,13 | 74,95 |
| 750 | 23,77 | 26,88 | 29,94 | 32,97 | 36,69 | 40,34 | 47,44 | 54,90 | 63,86 | 72,15 | 80,74 | 85,59* |
| 900 | 27,15 | 30,71 | 34,21 | 37,65 | 41,86 | 45,96 | 53,83 | 61,94 | 71,36 | 79,69* | | |
| 1000 | 29,17 | 33,00 | 36,75 | 40,43 | 44,89 | 49,22 | 57,44 | 65,76 | 75,14* | | | |
| 1200 | 32,61 | 36,89 | 41,03 | 45,05 | 49,87 | 54,47 | 62,93 | 71,05* | | | | |
| 1400 | 35,20 | 39,77 | 44,14 | 48,31 | 53,23 | 57,80* | 65,83* | | | | | |
| 1500 | 36,15 | 40,80 | 45,22 | 49,39 | 54,24* | 58,68* | | | | | | |
| 1700 | 37,29 | 41,97 | 46,32* | 50,32* | | | | | | | | |
| 1800 | 37,45 | 42,07* | 46,31* | | | | | | | | | |
| 1900 | 37,34* | 41,84* | | | | | | | | | | |
| 2000 | 36,93* | | | | | | | | | | | |

| RPM | i | 1,00±1,01 | 1,02±1,05 | 1,06±1,26 | 1,12±1,18 | 1,19±1,26 | 1,58±1,38 | 1,39±1,57 | 1,58±1,94 | 1,95±3,38 | over 3,39 |
|------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 50 | 0,00 | 0,02 | 0,05 | 0,09 | 0,13 | 0,16 | 0,18 | 0,21 | 0,22 | 0,24 | |
| 100 | 0,00 | 0,04 | 0,11 | 0,19 | 0,26 | 0,31 | 0,37 | 0,41 | 0,45 | 0,47 | |
| 150 | 0,00 | 0,06 | 0,16 | 0,28 | 0,39 | 0,47 | 0,55 | 0,62 | 0,67 | 0,71 | |
| 200 | 0,00 | 0,08 | 0,22 | 0,38 | 0,52 | 0,62 | 0,73 | 0,82 | 0,90 | 0,95 | |
| 300 | 0,00 | 0,12 | 0,32 | 0,57 | 0,77 | 0,94 | 1,10 | 1,24 | 1,35 | 1,42 | |
| 400 | 0,00 | 0,16 | 0,43 | 0,76 | 1,03 | 1,25 | 1,46 | 1,65 | 1,79 | 1,90 | |
| 500 | 0,00 | 0,20 | 0,54 | 0,94 | 1,29 | 1,56 | 1,83 | 2,06 | 2,24 | 2,37 | |
| 600 | 0,00 | 0,24 | 0,65 | 1,13 | 1,55 | 1,87 | 2,19 | 2,47 | 2,69 | 2,85 | |
| 750 | 0,00 | 0,30 | 0,81 | 1,42 | 1,93 | 2,34 | 2,74 | 3,09 | 3,36 | 3,56 | |
| 900 | 0,00 | 0,36 | 0,97 | 1,70 | 2,32 | 2,81 | 3,29 | 3,71 | 4,04 | 4,27 | |
| 1000 | 0,00 | 0,40 | 1,08 | 1,89 | 2,58 | 3,12 | 3,66 | 4,12 | 4,49 | 4,75 | |
| 1200 | 0,00 | 0,48 | 1,30 | 2,27 | 3,09 | 3,75 | 4,39 | 4,94 | 5,38 | 5,70 | |
| 1400 | 0,00 | 0,56 | 1,52 | 2,64 | 3,61 | 4,37 | 5,12 | 5,77 | 6,28 | 6,65 | |
| 1500 | 0,00 | 0,60 | 1,62 | 2,83 | 3,87 | 4,68 | 5,49 | 6,18 | 6,73 | 7,12 | |
| 1700 | 0,00 | 0,68 | 1,84 | 3,21 | 4,38 | 5,31 | 6,22 | 7,00 | 7,62 | 8,07 | |
| 1800 | 0,00 | 0,72 | 1,95 | 3,40 | 4,64 | 5,62 | 6,58 | 7,41 | 8,07 | 8,55 | |
| 1900 | 0,00 | 0,76 | 2,06 | 3,59 | 4,90 | 5,93 | 6,95 | 7,83 | 8,52 | 9,02 | |
| 2000 | 0,00 | 0,79 | 2,17 | 3,78 | 5,15 | 6,24 | 7,32 | 8,24 | 8,97 | 9,50 | |



* Belt speed is greater than 30 m/s then is necessary to use dynamically balanced pulleys. A reduction in belt life can be expected. Suggested a smaller section.

POWER WEDGE

BELT CHARACTERISTICS

| section | 3VX | 5VX | 8VX |
|---|---------------------------|-----|-----|
| a (mm) | 9 | 15 | 25 |
| s (mm) | 8 | 13 | 23 |
| external length - pitch length = Δ_s (mm) | 5 | 9 | 15 |
| weight (gr/m) | 77 | 207 | 569 |
| min. pulley diam. (mm) | 50 | 170 | 315 |
| working temperature | -30°C ÷ +90°C | | |
| relevant standards | RMA/MPTA IP22 | | |
| materials | CR blend - polyester cord | | |

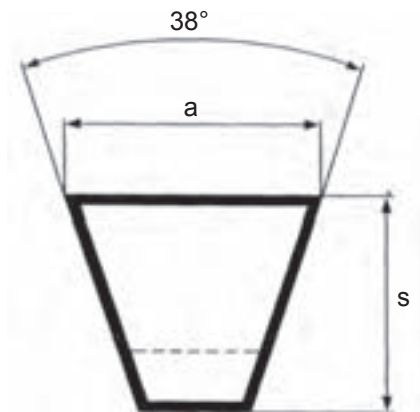


TABLE 3 - CORRECTION FACTOR C_L according to type and length of the belt

| | 630 | 850 | 1150 | 1525 | 2030 | 2540 | 3810 | 5080 |
|-----|------|------|------|------|------|------|------|------|
| 3VX | 0,83 | 0,88 | 0,94 | 0,99 | 1,04 | 1,09 | 1,17 | |
| 5VX | | | 0,83 | 0,87 | 0,93 | 0,97 | 1,03 | 1,08 |
| 8VX | | | | | | 0,87 | 0,93 | 0,97 |

TABLE 5 - INSTALLATION AND TAKE UP ALLOWANCE

| L (mm) | Y (mm) | | | X (mm) |
|--------------|--------|-----|-----|--------|
| | 3VX | 5VX | 8VX | |
| 635 ÷ 1145 | 15 | | | 25 |
| 1205 ÷ 3555 | 20 | 25 | 40 | 55 |
| 3810 ÷ 5080 | | 25 | 45 | 65 |
| 5385 ÷ 6350 | | 35 | 45 | 105 |
| 6730 ÷ 9000 | | 35 | 50 | 105 |
| 9500 ÷ 12700 | | | 50 | 140 |





3VX SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|
| 3VX 250 | 630 | 3VX 315 | 800 | 3VX 400 | 1015 | 3VX 500 | 1270 | 3VX 630 | 1600 | 3VX 800 | 2030 | 3VX 1000 | 2540 | 3VX 1250 | 3180 |
| 3VX 265 | 670 | 3VX 335 | 850 | 3VX 425 | 1080 | 3VX 530 | 1345 | 3VX 670 | 1700 | 3VX 850 | 2160 | 3VX 1060 | 2690 | 3VX 1320 | 3350 |
| 3VX 280 | 710 | 3VX 355 | 900 | 3VX 450 | 1145 | 3VX 560 | 1420 | 3VX 710 | 1800 | 3VX 900 | 2290 | 3VX 1120 | 2840 | 3VX 1400 | 3550 |
| 3VX 300 | 760 | 3VX 375 | 950 | 3VX 475 | 1205 | 3VX 600 | 1525 | 3VX 750 | 1900 | 3VX 950 | 2410 | 3VX 1180 | 3000 | 3VX 1500 | 3810 |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | 56 | 60 | 63 | 67 | 71 | 80 | 90 | 100 | 112 | 125 | 132 | 140 |
|------|------|------|------|------|------|------|------|------|-------|--------|--------|--------|
| 100 | 0,10 | 0,12 | 0,13 | 0,14 | 0,16 | 0,19 | 0,23 | 0,27 | 0,32 | 0,37 | 0,39 | 0,43 |
| 200 | 0,19 | 0,22 | 0,24 | 0,27 | 0,30 | 0,37 | 0,44 | 0,52 | 0,61 | 0,70 | 0,75 | 0,81 |
| 500 | 0,41 | 0,48 | 0,54 | 0,61 | 0,68 | 0,84 | 1,02 | 1,20 | 1,41 | 1,64 | 1,76 | 1,90 |
| 700 | 0,55 | 0,65 | 0,72 | 0,82 | 0,92 | 1,14 | 1,39 | 1,63 | 1,92 | 2,23 | 2,40 | 2,58 |
| 900 | 0,68 | 0,81 | 0,90 | 1,03 | 1,15 | 1,43 | 1,74 | 2,05 | 2,41 | 2,80 | 3,01 | 3,25 |
| 1000 | 0,74 | 0,88 | 0,99 | 1,13 | 1,26 | 1,57 | 1,91 | 2,25 | 2,65 | 3,09 | 3,32 | 3,58 |
| 1400 | 0,99 | 1,18 | 1,32 | 1,51 | 1,70 | 2,12 | 2,59 | 3,05 | 3,59 | 4,18 | 4,49 | 4,85 |
| 1500 | 1,04 | 1,25 | 1,40 | 1,60 | 1,80 | 2,25 | 2,75 | 3,24 | 3,82 | 4,45 | 4,78 | 5,16 |
| 1700 | 1,16 | 1,39 | 1,56 | 1,78 | 2,01 | 2,52 | 3,07 | 3,62 | 4,27 | 4,97 | 5,34 | 5,76 |
| 1800 | 1,21 | 1,45 | 1,64 | 1,87 | 2,11 | 2,64 | 3,23 | 3,81 | 4,49 | 5,22 | 5,61 | 6,05 |
| 2500 | 1,58 | 1,91 | 2,15 | 2,47 | 2,79 | 3,51 | 4,29 | 5,06 | 5,97 | 6,93 | 7,43 | 8,00 |
| 2900 | 1,78 | 2,15 | 2,43 | 2,80 | 3,16 | 3,97 | 4,86 | 5,73 | 6,75 | 7,82 | 8,39 | 9,02 |
| 3000 | 1,82 | 2,21 | 2,49 | 2,87 | 3,25 | 4,09 | 5,00 | 5,89 | 6,94 | 8,04 | 8,62 | 9,26 |
| 3500 | 2,05 | 2,49 | 2,82 | 3,25 | 3,68 | 4,63 | 5,67 | 6,67 | 7,84 | 9,06 | 9,69 | 10,39 |
| 3600 | 2,09 | 2,55 | 2,88 | 3,32 | 3,76 | 4,74 | 5,79 | 6,82 | 8,01 | 9,25 | 9,89 | 10,60 |
| 4000 | 2,26 | 2,76 | 3,12 | 3,61 | 4,09 | 5,15 | 6,29 | 7,39 | 8,67 | 9,97 | 10,65 | 11,39 |
| 4500 | 2,46 | 3,00 | 3,41 | 3,94 | 4,46 | 5,62 | 6,86 | 8,05 | 9,41 | 10,78 | 11,47* | 12,23* |
| 5000 | 2,64 | 3,23 | 3,67 | 4,25 | 4,81 | 6,06 | 7,39 | 8,64 | 10,06 | 11,46* | 12,15* | |

P_d (kW) referred to i

| RPM | i | 1,00+1,01 | 1,02+1,05 | 1,06+1,26 | 1,27+1,57 | over 1,57 |
|------|------|-----------|-----------|-----------|-----------|-----------|
| 100 | 0,00 | 0,00 | 0,01 | 0,01 | 0,01 | 0,01 |
| 200 | 0,00 | 0,00 | 0,02 | 0,02 | 0,02 | 0,03 |
| 500 | 0,00 | 0,01 | 0,04 | 0,06 | 0,07 | 0,07 |
| 700 | 0,00 | 0,01 | 0,06 | 0,08 | 0,10 | 0,10 |
| 900 | 0,00 | 0,01 | 0,07 | 0,10 | 0,12 | 0,12 |
| 1000 | 0,00 | 0,01 | 0,08 | 0,11 | 0,14 | 0,14 |
| 1400 | 0,00 | 0,02 | 0,11 | 0,16 | 0,19 | 0,19 |
| 1500 | 0,00 | 0,02 | 0,12 | 0,17 | 0,21 | 0,21 |
| 1700 | 0,00 | 0,02 | 0,14 | 0,19 | 0,24 | 0,24 |
| 1800 | 0,00 | 0,02 | 0,14 | 0,21 | 0,25 | 0,25 |
| 2500 | 0,00 | 0,03 | 0,20 | 0,29 | 0,35 | 0,35 |
| 2900 | 0,00 | 0,04 | 0,23 | 0,33 | 0,40 | 0,40 |
| 3000 | 0,00 | 0,04 | 0,24 | 0,34 | 0,42 | 0,42 |
| 3500 | 0,00 | 0,04 | 0,28 | 0,40 | 0,49 | 0,49 |
| 3600 | 0,00 | 0,04 | 0,29 | 0,41 | 0,50 | 0,50 |
| 4000 | 0,00 | 0,05 | 0,32 | 0,46 | 0,55 | 0,55 |
| 4500 | 0,00 | 0,06 | 0,36 | 0,52 | 0,62 | 0,62 |
| 5000 | 0,00 | 0,06 | 0,40 | 0,57 | 0,69 | 0,69 |

High strength cords

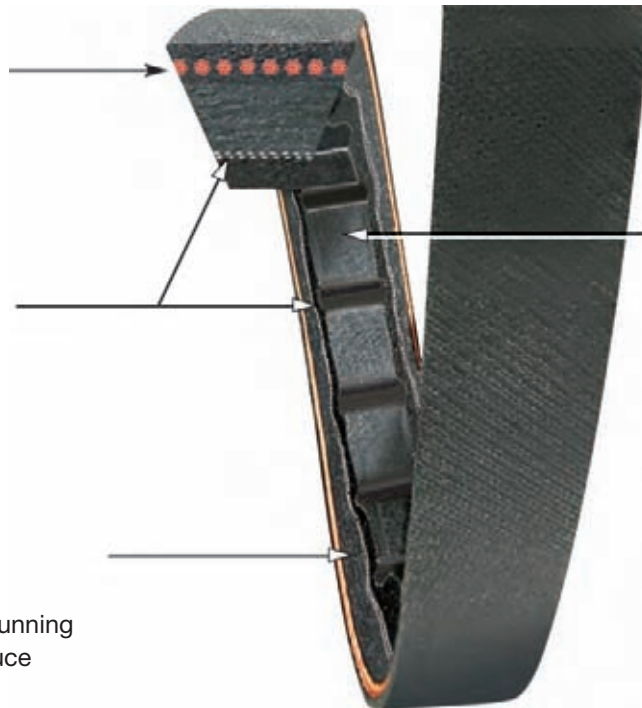
Carry high power loads with minimum stretch. Better belt stability. Fewer take-up adjustments.

Fabric laminates

Located in the "power zone" to maximize benefits. Provide controlled response to shock loads.

Raw edge sidewalls

Greater contact with the pulley surface produces a smoother running belt. Keep a tighter grip to reduce slippage, improve performance and efficiency.



Precision molded cogs

Improve belt flexibility and reduce bending stress. Help dissipating heat assuring longer life.

* Belt speed is greater than 30 m/s then is necessary to use dynamically balanced pulleys. A reduction in belt life can be expected. Suggested a smaller section.

POWER WEDGE



5VX SECTION

| Code | External length L ₂ (mm) | Code | External length L ₂ (mm) | Code | External length L ₂ (mm) | Code | External length L ₂ (mm) | Code | External length L ₂ (mm) | Code | External length L ₂ (mm) | Code | External length L ₂ (mm) | Code | External length L ₂ (mm) |
|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|
| 5VX 450 | 1150 | 5VX 540 | 1370 | 5VX 600 | 1525 | 5VX 680 | 1730 | 5VX 780 | 1980 | 5VX 860 | 2180 | 5VX 1000 | 2540 | 5VX 1160 | 2950 |
| 5VX 470 | 1190 | 5VX 550 | 1400 | 5VX 610 | 1550 | 5VX 690 | 1750 | 5VX 800 | 2030 | 5VX 880 | 2240 | 5VX 1030 | 2620 | 5VX 1180 | 3000 |
| 5VX 490 | 1250 | 5VX 560 | 1420 | 5VX 630 | 1600 | 5VX 710 | 1800 | 5VX 810 | 2060 | 5VX 900 | 2290 | 5VX 1060 | 2690 | 5VX 1230 | 3130 |
| 5VX 500 | 1270 | 5VX 570 | 1450 | 5VX 650 | 1650 | 5VX 730 | 1850 | 5VX 830 | 2110 | 5VX 930 | 2360 | 5VX 1080 | 2740 | 5VX 1250 | 3180 |
| 5VX 510 | 1290 | 5VX 580 | 1470 | 5VX 660 | 1680 | 5VX 740 | 1880 | 5VX 840 | 2130 | 5VX 950 | 2410 | 5VX 1120 | 2840 | 5VX 1320 | 3350 |
| 5VX 530 | 1345 | 5VX 590 | 1500 | 5VX 670 | 1700 | 5VX 750 | 1900 | 5VX 850 | 2160 | 5VX 960 | 2440 | 5VX 1150 | 2920 | 5VX 1400 | 3550 |
| 5VX 1500 | 3810 | 5VX 1600 | 4060 | 5VX 1700 | 4320 | 5VX 1800 | 4570 | 5VX 1900 | 4830 | 5VX 2000 | 5080 | | | | |

TABLE 4 - P_b (kW) referred to d (mm)

| RPM | 112 | 118 | 125 | 132 | 140 | 160 | 180 | 200 | 224 | 250 | 265 | 280 |
|------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 100 | 0,57 | 0,63 | 0,70 | 0,77 | 0,85 | 1,06 | 1,26 | 1,46 | 1,70 | 1,95 | 2,10 | 2,25 |
| 200 | 1,04 | 1,16 | 1,30 | 1,44 | 1,60 | 1,99 | 2,37 | 2,76 | 3,22 | 3,71 | 3,99 | 4,27 |
| 500 | 2,32 | 2,60 | 2,93 | 3,25 | 3,63 | 4,55 | 5,46 | 6,37 | 7,44 | 8,60 | 9,27 | 9,93 |
| 700 | 3,10 | 3,48 | 3,93 | 4,38 | 4,88 | 6,14 | 7,39 | 8,63 | 10,09 | 11,67 | 12,57 | 13,47 |
| 900 | 3,84 | 4,32 | 4,89 | 5,45 | 6,09 | 7,68 | 9,24 | 10,80 | 12,64 | 14,61 | 15,74 | 16,85 |
| 1000 | 4,19 | 4,73 | 5,35 | 5,97 | 6,67 | 8,42 | 10,15 | 11,85 | 13,88 | 16,04 | 17,27 | 18,49 |
| 1400 | 5,54 | 6,27 | 7,12 | 7,96 | 8,91 | 11,28 | 13,60 | 15,89 | 18,59 | 21,45 | 23,07 | 24,66 |
| 1500 | 5,86 | 6,64 | 7,54 | 8,43 | 9,45 | 11,96 | 14,43 | 16,85 | 19,70 | 22,72 | 24,42 | 26,10 |
| 1700 | 6,48 | 7,35 | 8,36 | 9,36 | 10,49 | 13,29 | 16,03 | 18,72 | 21,86 | 25,17 | 27,03 | 28,85 |
| 1800 | 6,79 | 7,70 | 8,76 | 9,81 | 11,00 | 13,93 | 16,81 | 19,62 | 22,90 | 26,34 | 28,27 | 30,16 |
| 2500 | 8,73 | 9,94 | 11,34 | 12,73 | 14,29 | 18,11 | 21,79 | 25,33 | 29,37 | 33,48* | 35,72* | |
| 2900 | 9,71 | 11,08 | 12,65 | 14,21 | 15,95 | 20,19 | 24,23 | 28,06* | 32,36* | | | |
| 3000 | 9,94 | 11,35 | 12,96 | 14,55 | 16,34 | 20,68 | 24,79 | 28,68* | | | | |
| 3500 | 11,00 | 12,57 | 14,37 | 16,14 | 18,12 | 22,86 | 27,28* | | | | | |
| 3600 | 11,19 | 12,79 | 14,63 | 16,43 | 18,45 | 23,25* | 27,71* | | | | | |
| 4000 | 11,88 | 13,60 | 15,57 | 17,48 | 19,61 | 24,63* | | | | | | |
| 4500 | 12,59 | 14,43 | 16,52 | 18,54* | 20,77* | | | | | | | |
| 5000 | 13,10 | 15,04* | 17,22* | 19,31* | | | | | | | | |

P_d (kW) referred to i

| RPM | i | 1,00±1,01 | 1,02±1,05 | 1,06±1,26 | 1,27±1,57 | over 1,57 |
|------|------|-----------|-----------|-----------|-----------|-----------|
| 100 | 0,00 | 0,01 | 0,04 | 0,06 | 0,07 | |
| 200 | 0,00 | 0,01 | 0,08 | 0,11 | 0,14 | |
| 500 | 0,00 | 0,03 | 0,20 | 0,28 | 0,34 | |
| 700 | 0,00 | 0,04 | 0,27 | 0,39 | 0,47 | |
| 900 | 0,00 | 0,05 | 0,35 | 0,50 | 0,61 | |
| 1000 | 0,00 | 0,06 | 0,39 | 0,56 | 0,68 | |
| 1400 | 0,00 | 0,09 | 0,55 | 0,78 | 0,95 | |
| 1500 | 0,00 | 0,09 | 0,59 | 0,84 | 1,02 | |
| 1700 | 0,00 | 0,10 | 0,66 | 0,95 | 1,15 | |
| 1800 | 0,00 | 0,11 | 0,70 | 1,01 | 1,22 | |
| 2500 | 0,00 | 0,15 | 0,98 | 1,40 | 1,69 | |
| 2900 | 0,00 | 0,18 | 1,13 | 1,62 | 1,97 | |
| 3000 | 0,00 | 0,18 | 1,17 | 1,68 | 2,03 | |
| 3500 | 0,00 | 0,21 | 1,37 | 1,96 | 2,37 | |
| 3600 | 0,00 | 0,22 | 1,40 | 2,02 | 2,44 | |
| 4000 | 0,00 | 0,24 | 1,56 | 2,24 | 2,71 | |
| 4500 | 0,00 | 0,27 | 1,76 | 2,52 | 3,05 | |
| 5000 | 0,00 | 0,31 | 1,95 | 2,80 | 3,39 | |



* Belt speed is greater than 30 m/s then is necessary to use dynamically balanced pulleys. A reduction in belt life can be expected. Suggested a smaller section.



8VX SECTION

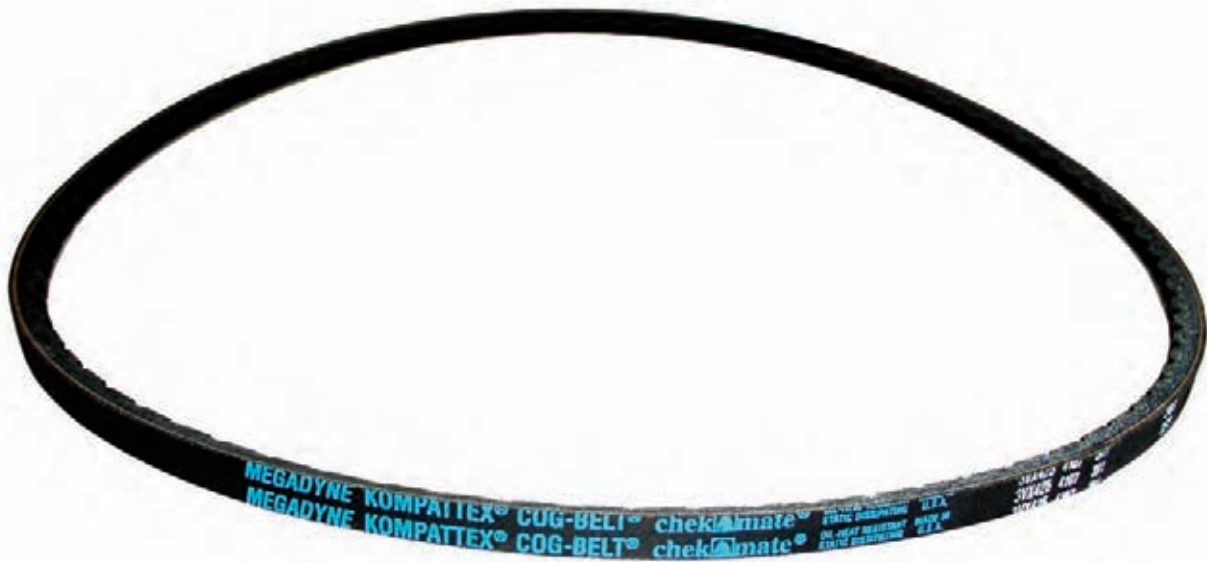
| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|------|-------------------------------------|
| 8VX 1000 | 2540 | 8VX 1120 | 2840 | 8VX 1250 | 3180 | 8VX 1400 | 3550 | 8VX 1600 | 4060 | 8VX 1800 | 4570 | 8VX 2000 | 5080 | | |
| 8VX 1060 | 2690 | 8VX 1180 | 3000 | 8VX 1320 | 3350 | 8VX 1500 | 3810 | 8VX 1700 | 4320 | 8VX 1900 | 4830 | | | | |

TABLE 4 - P_d (kW) referred to d (mm)

P_d (kW) referred to i

| RPM \ mm | 315 | 335 | 355 | 375 | 400 | 425 | 475 | 530 | 600 | 670 | 750 | 800 |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 50 | 2,48 | 2,75 | 3,03 | 3,31 | 3,65 | 3,99 | 4,67 | 5,42 | 6,36 | 7,3 | 8,36 | 9,01 |
| 100 | 4,61 | 5,15 | 5,68 | 6,22 | 6,88 | 7,55 | 8,86 | 10,29 | 12,11 | 13,9 | 15,93 | 17,19 |
| 150 | 6,64 | 7,44 | 8,22 | 9,01 | 9,98 | 10,96 | 12,88 | 14,99 | 17,64 | 20,28 | 23,25 | 25,09 |
| 200 | 8,61 | 9,64 | 10,68 | 11,72 | 13 | 14,28 | 16,83 | 19,59 | 23,07 | 26,51 | 30,4 | 32,8 |
| 300 | 12,3 | 13,82 | 15,34 | 16,85 | 18,73 | 20,59 | 24,3 | 28,31 | 33,34 | 38,29 | 43,85 | 47,26 |
| 400 | 15,81 | 17,81 | 19,79 | 21,77 | 24,21 | 26,64 | 31,44 | 36,63 | 43,1 | 49,42 | 56,45 | 60,73 |
| 500 | 19,18 | 21,63 | 24,06 | 26,48 | 29,48 | 32,45 | 38,27 | 44,56 | 52,33 | 59,83 | 68,08 | 73,03 |
| 600 | 22,41 | 25,3 | 28,17 | 31,01 | 34,52 | 37,99 | 44,79 | 52,05 | 60,93 | 69,41 | 78,55 | 83,94 |
| 750 | 27,1 | 30,64 | 34,13 | 37,59 | 41,83 | 45,99 | 54,08 | 62,59 | 72,8 | 82,25 | 92,04 | 97,57 |
| 900 | 31,49 | 35,62 | 39,68 | 43,67 | 48,56 | 53,31 | 62,44 | 71,85 | 82,78 | 92,44 | | |
| 1000 | 34,42 | 38,94 | 43,37 | 47,71 | 52,97 | 58,08 | 67,78 | 77,6 | 88,67 | | | |
| 1200 | 38,81 | 43,9 | 48,83 | 53,61 | 59,35 | 64,82 | 74,89 | 84,55 | | | | |
| 1400 | 42,24 | 47,72 | 52,97 | 57,97 | 63,88 | 69,36 | 79 | | | | | |
| 1500 | 44,1 | 49,78 | 55,17 | 60,26 | 66,17 | 71,59 | | | | | | |
| 1700 | 46,24 | 52,04 | 57,44 | 62,4 | | | | | | | | |
| 1800 | 47,19 | 53,01 | 58,35 | | | | | | | | | |
| 1900 | 47,8 | 53,56 | | | | | | | | | | |
| 2000 | 48,01 | | | | | | | | | | | |

| RPM \ i | 1,00±1,01 | 1,02±1,05 | 1,06±1,26 | 1,27±1,57 | over 1,57 |
|---------|-----------|-----------|-----------|-----------|-----------|
| 50 | 0,00 | 0,01 | 0,03 | 0,05 | 0,06 |
| 100 | 0,00 | 0,01 | 0,07 | 0,10 | 0,12 |
| 150 | 0,00 | 0,01 | 0,10 | 0,15 | 0,18 |
| 200 | 0,00 | 0,02 | 0,14 | 0,20 | 0,25 |
| 300 | 0,00 | 0,03 | 0,21 | 0,30 | 0,37 |
| 400 | 0,00 | 0,04 | 0,28 | 0,41 | 0,49 |
| 500 | 0,00 | 0,06 | 0,35 | 0,51 | 0,61 |
| 600 | 0,00 | 0,07 | 0,42 | 0,61 | 0,74 |
| 750 | 0,00 | 0,08 | 0,53 | 0,76 | 0,92 |
| 900 | 0,00 | 0,10 | 0,64 | 0,91 | 1,10 |
| 1000 | 0,00 | 0,11 | 0,71 | 1,01 | 1,23 |
| 1200 | 0,00 | 0,13 | 0,85 | 1,22 | 1,47 |
| 1400 | 0,00 | 0,15 | 0,99 | 1,42 | 1,72 |
| 1500 | 0,00 | 0,17 | 1,06 | 1,52 | 1,84 |
| 1700 | 0,00 | 0,19 | 1,20 | 1,72 | 2,08 |
| 1800 | 0,00 | 0,20 | 1,27 | 1,82 | 2,21 |
| 1900 | 0,00 | 0,21 | 1,34 | 1,93 | 2,33 |
| 2000 | 0,00 | 0,22 | 1,41 | 2,03 | 2,45 |

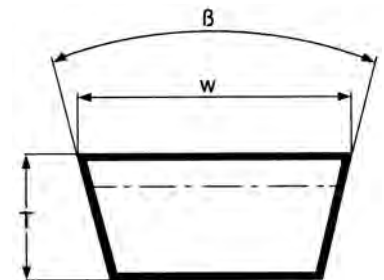


VARISECT

| section | 13x6 | 17x5 | 21x6,5 | 22x8 | 26x8 | 28x8 | 30x10 | 33x10 | 36x12 | 37x10 | 42x13 | 47x13 | 52x16 | 55x16 | 65x20 | 70x20 |
|---|-------------------------------|------|--------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| w (mm) | 13 | 17 | 21 | 22 | 26 | 28 | 30 | 33 | 36 | 37 | 42 | 47 | 52 | 55 | 65 | 70 |
| T (mm) | 6 | 5 | 6,5 | 8 | 8 | 8 | 10 | 10 | 12 | 10 | 13 | 13 | 16 | 16 | 20 | 20 |
| pitch length - internal length = Δ_i (mm) | 29 | 24 | 31 | 38 | 38 | 38 | 47 | 47 | 56 | 47 | 61 | 61 | 75 | 75 | 94 | 94 |
| external length - pitch length = Δ_e (mm) | 9 | 8 | 10 | 12 | 12 | 12 | 16 | 16 | 19 | 16 | 21 | 21 | 25 | 25 | 31 | 31 |
| ISO | | W16 | W20 | | W25 | | | W31,5 | | | W40 | | W50 | | W63 | |
| β (°) | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| working temperature | -30°C ÷ +90°C | | | | | | | | | | | | | | | |
| relevant standards | ISO 1604 (for W... type only) | | | | | | | | | | | | | | | |
| relevant antistatic standard | ISO 1813 | | | | | | | | | | | | | | | |
| materials | CR blend - polyester cord | | | | | | | | | | | | | | | |

Varisect belt is designed for variable speed transmissions, to gain a wide range of driven speeds:

- provides exact speed control;
- guarantees smooth running;
- raw edge sidewalls improve gripping action;
- provide superior resistance to aging caused by wear, oil, heat, grease and harmful environmental factors;
- static dissipating;
- is available in a wide selection of sizes;
- guarantees a long belt life.



High-modulus cords

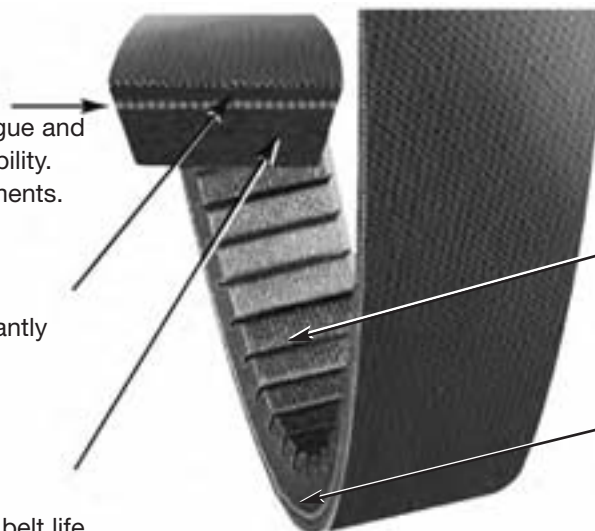
Located in the strength section to carry high HP loads with minimum belt stretch. Resists fatigue and shock. Provides excellent belt stability. Reduces need for take-up adjustments.

Fabric tension section

Stretches up to 175% more than ordinary bias-cut fabric to significantly improve belt flex life.

Special compound compression section

Provides uniform cord support and crosswise rigidity to lengthen belt life.



Precision molded cogs

Provide more surface area for heat dissipation and increase belt flexibility. Cooler operation means longer flex life.

Raw-edge sidewalls

Improve gripping contact with pulley sidewalls. Assure less vibration. Smoother, quieter performance.



13x6 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | | | |
|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|--|--|--|
| 13x6x425 | 455 | 13x6x525 | 555 | 13x6x650 | 680 | 13x6x700 | 730 | 13x6x750 | 780 | 13x6x900 | 930 | | | |
| 13x6x500 | 530 | 13x6x550 | 580 | 13x6x675 | 705 | 13x6x725 | 755 | 13x6x775 | 805 | | | | | |



17x5 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) |
|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|
| W 16P | 450 | W 16P | 500 | W 16P | 560 | W 16P | 600 | W 16P | 630 | W 16P | 710 | W 16P | 800 | W 16P | 900 |
| | | | | | | | | | | | | | | | 1000 |



21x6,5 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) |
|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|
| W 20P | 560 | W 20P | 630 | W 20P | 640 | W 20P | 710 | W 20P | 800 | W 20P | 900 | W 20P | 1000 | W 20P | 1120 |
| | | | | | | | | | | | | | | | 1250 |



22x8 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) |
|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|-----------|-------------------------------------|-----------|-------------------------------------|-----------|-------------------------------------|
| 22x8x500 | 540 | 22x8x575 | 615 | 22x8x625 | 665 | 22x8x700 | 740 | 22x8x800 | 840 | 22x8x950 | 990 | 22x8x1120 | 1160 | 22x8x1320 | 1360 |
| 22x8x525 | 565 | 22x8x600 | 640 | 22x8x650 | 690 | 22x8x725 | 765 | 22x8x850 | 890 | 22x8x1000 | 1040 | 22x8x1180 | 1220 | 22x8x1400 | 1440 |
| 22x8x550 | 590 | 22x8x610 | 650 | 22x8x675 | 715 | 22x8x750 | 790 | 22x8x900 | 940 | 22x8x1060 | 1100 | 22x8x1250 | 1290 | 22x8x1500 | 1540 |



26x8 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | | | |
|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|--|--|--|
| W 25P | 560 | W 25P | 710 | W 25P | 790 | W 25P | 900 | W 25P | 1120 | W 25P | 1400 | | | |
| W 25P | 690 | W 25P | 750 | W 25P | 800 | W 25P | 1000 | W 25P | 1250 | W 25P | 1600 | | | |



28x8 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | | |
|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|-----------|-------------------------------------|-----------|-------------------------------------|-----------|-------------------------------------|-----------|-------------------------------------|--|--|
| 28x8x525 | 565 | 28x8x650 | 690 | 28x8x800 | 840 | 28x8x950 | 990 | 28x8x1120 | 1160 | 28x8x1320 | 1360 | 28x8x1600 | 1640 | | |
| 28x8x600 | 640 | 28x8x700 | 740 | 28x8x850 | 890 | 28x8x1000 | 1040 | 28x8x1180 | 1220 | 28x8x1400 | 1440 | 28x8x1700 | 1740 | | |
| 28x8x625 | 665 | 28x8x750 | 790 | 28x8x900 | 940 | 28x8x1060 | 1100 | 28x8x1250 | 1290 | 28x8x1500 | 1540 | | | | |

VARISECT



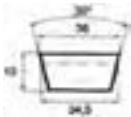
30x10 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) |
|-----------|-------------------------------------|-----------|-------------------------------------|-----------|-------------------------------------|-----------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|
| 30x10x650 | 700 | 30x10x700 | 750 | 30x10x850 | 900 | 30x10x900 | 950 | 30x10x1000 | 1050 | 30x10x1050 | 1100 | 30x10x1200 | 1250 | 30x10x1340 | 1390 |
| 30x10x665 | 715 | 30x10x800 | 850 | 30x10x875 | 925 | 30x10x950 | 1000 | 30x10x1035 | 1085 | 30x10x1120 | 1170 | 30x10x1320 | 1370 | 30x10x1500 | 1550 |



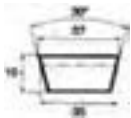
33x10 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | | |
|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|--|--|
| W 31,5P | 800 | W 31,5P | 870 | W 31,5P | 950 | W 31,5P | 1050 | W 31,5P | 1250 | W 31,5P | 1600 | W 31,5P | 2000 | | |
| W 31,5P | 840 | W 31,5P | 900 | W 31,5P | 1000 | W 31,5P | 1120 | W 31,5P | 1400 | W 31,5P | 1800 | | | | |



36x12 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | | |
|-----------|-------------------------------------|-----------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|--|--|
| 36x12x700 | 755 | 36x12x850 | 905 | 36x12x1000 | 1055 | 36x12x1180 | 1235 | 36x12x1400 | 1455 | 36x12x1700 | 1755 | 36x12x2120 | 2175 | | |
| 36x12x725 | 780 | 36x12x900 | 955 | 36x12x1060 | 1115 | 36x12x1250 | 1305 | 36x12x1500 | 1555 | 36x12x1800 | 1855 | | | | |
| 36x12x800 | 855 | 36x12x950 | 1005 | 36x12x1120 | 1175 | 36x12x1320 | 1375 | 36x12x1600 | 1655 | 36x12x2000 | 2055 | | | | |



37x10 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) |
|-----------|-------------------------------------|-----------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|
| 37x10x600 | 650 | 37x10x750 | 800 | 37x10x 900 | 950 | 37x10x1060 | 1110 | 37x10x1250 | 1300 | 37x10x1500 | 1550 | 37x10x1800 | 1850 | 37x10x2240 | 2290 |
| 37x10x650 | 700 | 37x10x800 | 850 | 37x10x950 | 1000 | 37x10x1120 | 1170 | 37x10x1320 | 1370 | 37x10x1600 | 1650 | 37x10x1900 | 1950 | | |
| 37x10x675 | 725 | 37x10x850 | 900 | 37x10x1000 | 1050 | 37x10x1180 | 1230 | 37x10x1400 | 1450 | 37x10x1700 | 1750 | 37x10x2000 | 2050 | | |



42x13 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | | | | |
|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|--|--|--|--|
| W 40P | 1060 | W 40P | 1120 | W 40P | 1250 | W 40P | 1600 | W 40P | 1800 | W 40P | 2240 | | | | |
| W 40P | 1100 | W 40P | 1180 | W 40P | 1400 | W 40P | 1660 | W 40P | 2000 | W 40P | 2500 | | | | |



47x13 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) |
|-----------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|
| 47x13x900 | 1000 | 47x13x1000 | 1060 | 47x13x1120 | 1180 | 47x13x1250 | 1310 | 47x13x1400 | 1460 | 47x13x1600 | 1660 | 47x13x1800 | 1860 | 47x13x2000 | 2060 |
| 47x13x950 | 1010 | 47x13x1060 | 1120 | 47x13x1180 | 1240 | 47x13x1320 | 1380 | 47x13x1500 | 1560 | 47x13x1700 | 1760 | 47x13x1900 | 1960 | 47x13x2240 | 2300 |



52x16 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | | | |
|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|------|-------------------------------------|--|--|--|
| W 50P | 1250 | W 50P | 1600 | W 50P | 2000 | W 50P | 2500 | W 50P | 3150 | | | | | |
| W 50P | 1400 | W 50P | 1800 | W 50P | 2240 | W 50P | 2800 | | | | | | | |



55x16 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) |
|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|
| 55x16x1180 | 1255 | 55x16x1250 | 1325 | 55x16x1400 | 1475 | 55x16x1600 | 1675 | 55x16x1700 | 1775 | 55x16x1800 | 1875 | 55x16x2000 | 2075 | 55x16x2240 | 2315 |



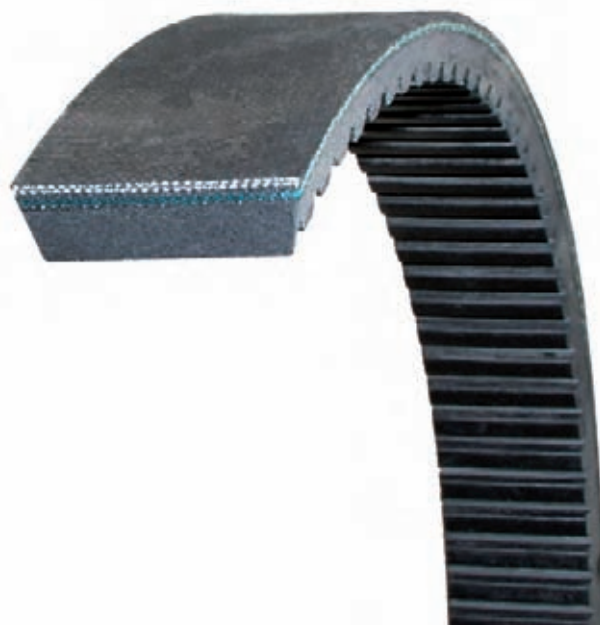
65x20 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | | | |
|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------|------|-------------------------------------|--|--|--|
| W 63P | 1600 | W 63P | 2000 | W 63P | 2500 | W 63P | 3150 | W 63P | 4000 | | | | | |
| W 63P | 1800 | W 63P | 2240 | W 63P | 2800 | W 63P | 3550 | | | | | | | |



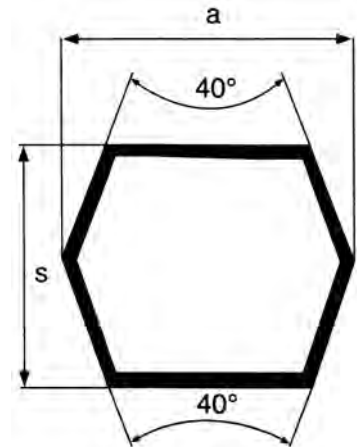
70x20 SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) |
|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------|-------------------------------------|
| 70x20x1320 | 1415 | 70x20x1445 | 1540 | 70x20x1600 | 1695 | 70x20x1800 | 1895 | 70x20x2000 | 2095 | 70x20x2240 | 2330 | 70x20x2500 | 2590 | | |
| 70x20x1400 | 1495 | 70x20x1500 | 1595 | 70x20x1700 | 1795 | 70x20x1900 | 1995 | 70x20x2120 | 2210 | 70x20x2360 | 2450 | 70x20x2800 | 2890 | | |



ESAFLEX

| section | AA | BB | CC |
|---|---|-----|------|
| a (mm) | 13 | 17 | 22 |
| s (mm) | 10 | 14 | 19 |
| pitch length - internal length = Δ_i (mm) | 31,4 | 44 | 59,7 |
| external length - pitch length = Δ_e (mm) | 31,4 | 44 | 59,7 |
| weigh (gr/m) | 150 | 238 | 429 |
| min. pulley diam. (mm) | 80 | 140 | 224 |
| working temperature | -30°C ÷ +80°C | | |
| relevant standards | RMA/MPTA IP2 21 - DIN 7722 - ISO 5289 | | |
| materials | CR blend - polyester cord - cotton/polyester fabric | | |



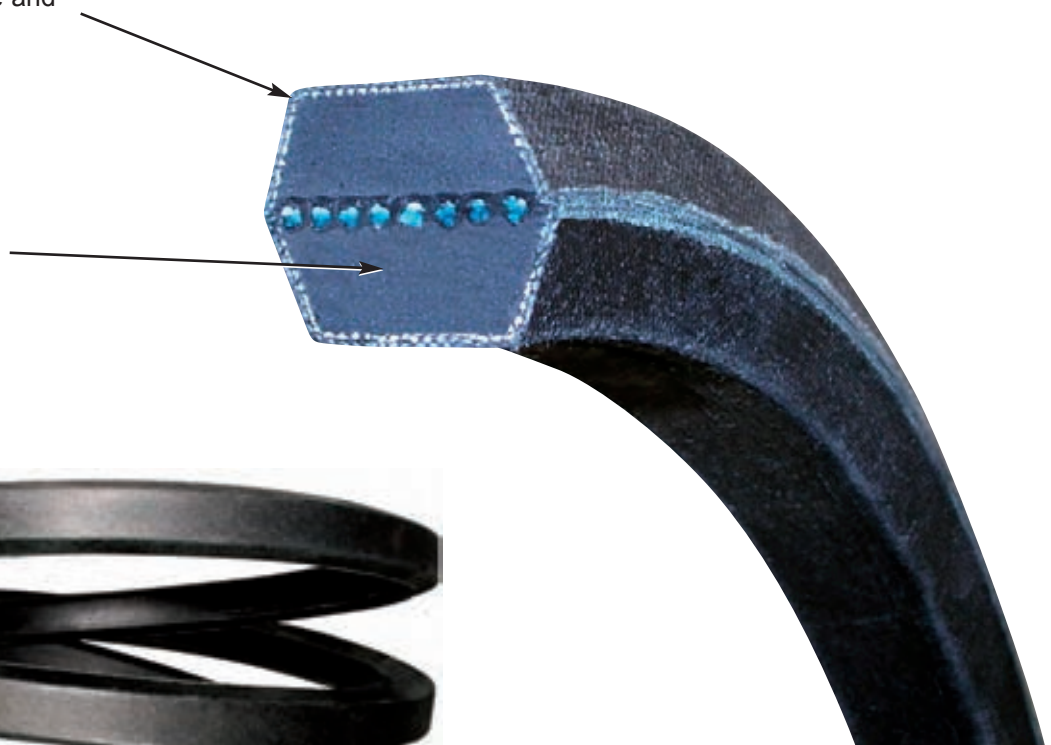
DOUBLE ANGLE V-BELT

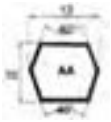
Ideally suited for serpentine drives where power needs to be transmitted equally from both sides of the belt. Doublewrapped cotton-neoprene cover is added for excellent resistance to abrasive wear, heat, ozone, sunlight, grease, oil or dirt.

Centrally located cord and special synthetic rubber compounds assure long belt life and smooth, capable power capacity.

Double wrapped neoprene and cotton fabric

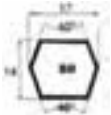
The core of the belt is made of a special blend of compounds to provide long life and superior power capacity





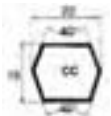
AA SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) |
|-------|----------------------------------|-------|----------------------------------|-------|----------------------------------|-------|----------------------------------|-------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|
| AA 51 | 1350 | AA 68 | 1780 | AA 75 | 1955 | AA 81 | 2110 | AA 91 | 2365 | AA 105 | 2720 | AA 116 | 3000 | AA 130 | 3355 |
| AA 60 | 1580 | AA 69 | 1805 | AA 77 | 2010 | AA 85 | 2210 | AA 95 | 2465 | AA 108 | 2800 | AA 120 | 3100 | AA 134 | 3460 |
| AA 61 | 1600 | AA 71 | 1855 | AA 80 | 2085 | AA 90 | 2340 | AA 96 | 2490 | AA 112 | 2895 | AA 128 | 3305 | AA 147 | 3790 |



BB SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) |
|-------|----------------------------------|-------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|
| BB 50 | 1345 | BB 81 | 2130 | BB 90 | 2360 | BB 112 | 2920 | BB 121 | 3150 | BB 154 | 4000 | BB 173 | 4470 | BB 184 | 4750 |
| BB 60 | 1600 | BB 84 | 2210 | BB 97 | 2540 | BB 118 | 3070 | BB 128 | 3325 | BB 155 | 4010 | BB 174 | 4495 | BB 195 | 5030 |
| BB 75 | 1980 | BB 85 | 2235 | BB 105 | 2740 | BB 120 | 3125 | BB 144 | 3735 | BB 158 | 4090 | BB 180 | 4645 | BB 210 | 5410 |



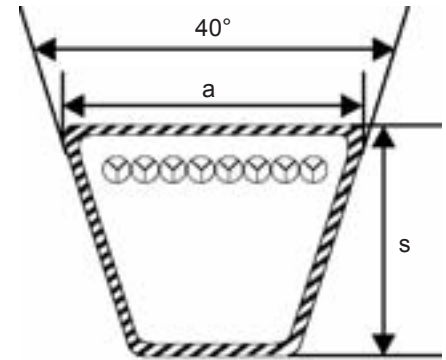
CC SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) |
|-------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|------|----------------------------------|
| CC 75 | 2015 | CC 90 | 2395 | CC 120 | 3155 | CC 158 | 4120 | CC 193 | 5000 | CC 240 | 6155 | CC 330 | 8440 | | |
| CC 81 | 2165 | CC 96 | 2545 | CC 128 | 3360 | CC 162 | 4225 | CC 195 | 5060 | CC 270 | 6915 | CC 360 | 9200 | | |
| CC 85 | 2265 | CC 105 | 2775 | CC 144 | 3765 | CC 173 | 4500 | CC 210 | 5440 | CC 300 | 7675 | CC 390 | 9965 | | |
| CC 86 | 2290 | CC 112 | 2955 | CC 153 | 4000 | CC 180 | 4680 | CC 234 | 6000 | CC 313 | 8000 | CC 420 | 10725 | | |



XDV2

| section | 38 | 48 | 58 |
|---------------------|--|------|------|
| a (mm) | 9,5 | 12,7 | 15,9 |
| s (mm) | 5,5 | 7,2 | 9 |
| weight (gr/m) | 57 | 95 | 143 |
| working temperature | -20°C ÷ +80°C | | |
| materials | CR blend - aramid cord - cotton/polyester fabric | | |



XDV2 series belts are designed for maintenance free operation in applications with exceptional hard working conditions.

BELT FEATURES

- trouble free operation on drives with small pulleys;
- smooth power transmission due to the belts capacity to absorb power shock. ideal for drives with power oscillations;
- thanks to the high grade of its materials the belt gives even better results when used with back side idlers;
- made with strong cotton cover for long lasting clutching transmissions;
- low tolerances reduce drive vibrations and allow its use in single or multiple drive transmissions without any restrictions;
- superior resistance to temperature, oil and weather;
- easily identified by its light grey coloured fabric;
- comes in popular sizes (3/8", 1/2", 5/8");
- meets requirements for static conductivity.

MATERIALS

Tensile member

State of the art tensile member which is made of the latest generation of aramid cords and provides minimum elongation while operating.

Compound

Rubber compound has been developed for long lasting power transmissions working under hardest conditions.

Belt cover

Belt cover uses latest technology in materials, for a high resistance in clutching transmissions.

XDV2 BELT DRIVES

The XDV2 belt has been created for drives which include small pulley diameters and high temperature peaks, combined with a high grade of moisture and humidity.

It withstands the harshest environmental requirements, such as oil and grease contaminated drives or transmissions were grits may interfere between pulleys and belt.

Thanks to its characteristics, the XDV2 perfectly matches the requirements of clutching drives as the aramid cord protect the belt against shock loads while maintaining its length constant.

XDV2 belts are used successfully in applications such as:

- lawn movers
- garden tillers
- snow blowers
- garden tractors





XDV2-38 SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|
| XDV 38/150 | 381 | XDV 38/210 | 533 | XDV 38/270 | 686 | XDV 38/330 | 838 | XDV 38/390 | 991 | XDV 38/450 | 1143 | XDV 38/510 | 1295 | XDV 38/570 | 1448 |
| XDV 38/160 | 406 | XDV 38/220 | 559 | XDV 38/280 | 711 | XDV 38/340 | 864 | XDV 38/400 | 1016 | XDV 38/460 | 1168 | XDV 38/520 | 1321 | XDV 38/580 | 1473 |
| XDV 38/170 | 432 | XDV 38/230 | 584 | XDV 38/290 | 737 | XDV 38/350 | 889 | XDV 38/410 | 1041 | XDV 38/470 | 1194 | XDV 38/530 | 1346 | XDV 38/590 | 1499 |
| XDV 38/180 | 457 | XDV 38/240 | 610 | XDV 38/300 | 762 | XDV 38/360 | 914 | XDV 38/420 | 1067 | XDV 38/480 | 1219 | XDV 38/540 | 1372 | XDV 38/600 | 1524 |
| XDV 38/190 | 483 | XDV 38/250 | 635 | XDV 38/310 | 787 | XDV 38/370 | 940 | XDV 38/430 | 1092 | XDV 38/490 | 1245 | XDV 38/550 | 1397 | XDV 38/610 | 1549 |
| XDV 38/200 | 508 | XDV 38/260 | 660 | XDV 38/320 | 813 | XDV 38/380 | 965 | XDV 38/440 | 1118 | XDV 38/500 | 1270 | XDV 38/560 | 1422 | XDV 38/620 | 1575 |



XDV2-48 SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|
| XDV 48/170 | 432 | XDV 48/270 | 686 | XDV 48/370 | 940 | XDV 48/470 | 1194 | XDV 48/570 | 1448 | XDV 48/670 | 1702 | XDV 48/770 | 1956 | XDV 48/870 | 2210 |
| XDV 48/180 | 457 | XDV 48/280 | 711 | XDV 48/380 | 965 | XDV 48/480 | 1219 | XDV 48/580 | 1473 | XDV 48/680 | 1727 | XDV 48/780 | 1981 | XDV 48/880 | 2235 |
| XDV 48/190 | 483 | XDV 48/290 | 737 | XDV 48/390 | 991 | XDV 48/490 | 1245 | XDV 48/590 | 1499 | XDV 48/690 | 1753 | XDV 48/790 | 2007 | XDV 48/890 | 2261 |
| XDV 48/200 | 508 | XDV 48/300 | 762 | XDV 48/400 | 1016 | XDV 48/500 | 1270 | XDV 48/600 | 1524 | XDV 48/700 | 1778 | XDV 48/800 | 2032 | XDV 48/900 | 2286 |
| XDV 48/210 | 533 | XDV 48/310 | 787 | XDV 48/410 | 1041 | XDV 48/510 | 1295 | XDV 48/610 | 1549 | XDV 48/710 | 1803 | XDV 48/810 | 2057 | XDV 48/910 | 2311 |
| XDV 48/220 | 559 | XDV 48/320 | 813 | XDV 48/420 | 1067 | XDV 48/520 | 1321 | XDV 48/620 | 1575 | XDV 48/720 | 1829 | XDV 48/820 | 2083 | XDV 48/920 | 2337 |
| XDV 48/230 | 584 | XDV 48/330 | 838 | XDV 48/430 | 1092 | XDV 48/530 | 1346 | XDV 48/630 | 1600 | XDV 48/730 | 1854 | XDV 48/830 | 2108 | XDV 48/930 | 2362 |
| XDV 48/240 | 610 | XDV 48/340 | 864 | XDV 48/440 | 1118 | XDV 48/540 | 1372 | XDV 48/640 | 1626 | XDV 48/740 | 1880 | XDV 48/840 | 2134 | XDV 48/940 | 2388 |
| XDV 48/250 | 635 | XDV 48/350 | 889 | XDV 48/450 | 1143 | XDV 48/550 | 1397 | XDV 48/650 | 1651 | XDV 48/750 | 1905 | XDV 48/850 | 2159 | XDV 48/950 | 2413 |
| XDV 48/260 | 660 | XDV 48/360 | 914 | XDV 48/460 | 1168 | XDV 48/560 | 1422 | XDV 48/660 | 1676 | XDV 48/760 | 1930 | XDV 48/860 | 2184 | XDV 48/960 | 2438 |



XDV2-58 SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|------------|-------------------------------------|
| XDV 58/230 | 584 | XDV 58/320 | 813 | XDV 58/410 | 1041 | XDV 58/500 | 1270 | XDV 58/590 | 1499 | XDV 58/680 | 1727 | XDV 58/770 | 1956 | XDV 58/860 | 2184 |
| XDV 58/240 | 610 | XDV 58/330 | 838 | XDV 58/420 | 1067 | XDV 58/510 | 1295 | XDV 58/600 | 1524 | XDV 58/690 | 1753 | XDV 58/780 | 1981 | XDV 58/870 | 2210 |
| XDV 58/250 | 635 | XDV 58/340 | 864 | XDV 58/430 | 1092 | XDV 58/520 | 1321 | XDV 58/610 | 1549 | XDV 58/700 | 1778 | XDV 58/790 | 2007 | XDV 58/880 | 2235 |
| XDV 58/260 | 660 | XDV 58/350 | 889 | XDV 58/440 | 1118 | XDV 58/530 | 1346 | XDV 58/620 | 1575 | XDV 58/710 | 1803 | XDV 58/800 | 2032 | XDV 58/890 | 2261 |
| XDV 58/270 | 686 | XDV 58/360 | 914 | XDV 58/450 | 1143 | XDV 58/540 | 1372 | XDV 58/630 | 1600 | XDV 58/720 | 1829 | XDV 58/810 | 2057 | XDV 58/900 | 2286 |
| XDV 58/280 | 711 | XDV 58/370 | 940 | XDV 58/460 | 1168 | XDV 58/550 | 1397 | XDV 58/640 | 1626 | XDV 58/730 | 1854 | XDV 58/820 | 2083 | XDV 58/910 | 2311 |
| XDV 58/290 | 737 | XDV 58/380 | 965 | XDV 58/470 | 1194 | XDV 58/560 | 1422 | XDV 58/650 | 1651 | XDV 58/740 | 1880 | XDV 58/830 | 2108 | XDV 58/920 | 2337 |
| XDV 58/300 | 762 | XDV 58/390 | 991 | XDV 58/480 | 1219 | XDV 58/570 | 1448 | XDV 58/660 | 1676 | XDV 58/750 | 1905 | XDV 58/840 | 2134 | XDV 58/930 | 2362 |
| XDV 58/310 | 787 | XDV 58/400 | 1016 | XDV 58/490 | 1245 | XDV 58/580 | 1473 | XDV 58/670 | 1702 | XDV 58/760 | 1930 | XDV 58/850 | 2159 | XDV 58/940 | 2388 |

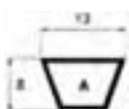
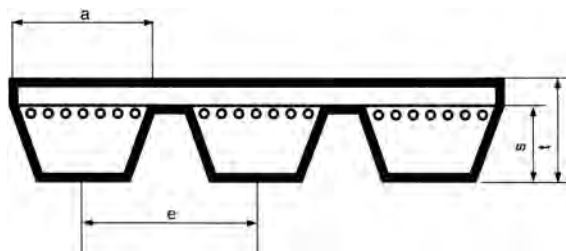
| section | RA | RB | RC | R3V | R5V | R8V | RSPZ | RSPA | RSPB | RSPC | R3VX | R5VX |
|--|---------------------------------|----|----|------|------|------|------|------|------|------|------|------|
| a (mm) | 13 | 17 | 22 | 9 | 15 | 25 | 9,7 | 12,7 | 16,3 | 22 | 9 | 15 |
| s (mm) | 8 | 11 | 14 | 8 | 13 | 23 | 8 | 10 | 13 | 18 | 8 | 13 |
| t (mm) | 10 | 13 | 16 | 10 | 15 | 25,5 | 10,5 | 12,5 | 15,5 | 22,5 | 10 | 15 |
| e (mm ± 0,3) | 15 | 19 | 25 | 10,2 | 17,4 | 27,5 | 10,2 | 15 | 19 | 25 | 10,2 | 17,4 |
| pitch length - internal length = Δ_i (mm) | 33 | 43 | 62 | 31 | 54 | 103 | 39 | 47 | 61 | 86 | | |
| working temperature | -30°C ÷ +80°C | | | | | | | | | | | |
| relevant standards | ASAE S 211.4 - ISO 8419 | | | | | | | | | | | |
| materials | CR / SBR blend - polyester cord | | | | | | | | | | | |



The Pluriband is a special belt able to transmit in a one-only structure a very high power.

The structure is made to be equivalent in performances to a number of corresponding V-belts: a Pluriband A47-1200-5 has the same performance of 5 A47 belts working in parallel.

The procedure for engineering a system using Pluriband belts is the same as described in the technical calculation chapter, using the same performance data as the corresponding V-belt profile.



A SECTION

| Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) |
|------|----------------------------|------|----------------------------|------|----------------------------|------|----------------------------|-------|----------------------------|-------|----------------------------|-------|----------------------------|-------|----------------------------|
| A 47 | 1200 | A 57 | 1450 | A 67 | 1700 | A 79 | 2000 | A 100 | 2540 | A 120 | 3048 | A 158 | 4000 | A 197 | 5000 |
| A 51 | 1300 | A 59 | 1500 | A 71 | 1800 | A 88 | 2240 | A 104 | 2650 | A 128 | 3250 | A 167 | 4250 | A 210 | 5334 |
| A 56 | 1422 | A 64 | 1625 | A 75 | 1900 | A 98 | 2500 | A 112 | 2845 | A 144 | 3658 | A 187 | 4750 | A 217 | 5477 |



B SECTION

| Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) |
|------|----------------------------|------|----------------------------|------|----------------------------|-------|----------------------------|-------|----------------------------|-------|----------------------------|-------|----------------------------|-------|----------------------------|
| B 70 | 1778 | B 80 | 2032 | B 89 | 2261 | B 98 | 2489 | B 110 | 2794 | B 128 | 3251 | B 144 | 3658 | B 162 | 4115 |
| B 71 | 1803 | B 81 | 2057 | B 90 | 2286 | B 99 | 2515 | B 112 | 2845 | B 130 | 3302 | B 147 | 3734 | B 163 | 4140 |
| B 72 | 1829 | B 82 | 2083 | B 91 | 2311 | B 100 | 2540 | B 114 | 2896 | B 131 | 3327 | B 148 | 3759 | B 165 | 4191 |
| B 73 | 1854 | B 83 | 2108 | B 92 | 2337 | B 102 | 2591 | B 115 | 2921 | B 132 | 3353 | B 151 | 3835 | B 167 | 4242 |
| B 74 | 1880 | B 84 | 2134 | B 93 | 2362 | B 104 | 2642 | B 116 | 2946 | B 133 | 3378 | B 152 | 3861 | B 168 | 4267 |
| B 75 | 1905 | B 85 | 2159 | B 94 | 2388 | B 105 | 2667 | B 118 | 2997 | B 134 | 3404 | B 154 | 3912 | B 173 | 4394 |
| B 76 | 1930 | B 86 | 2184 | B 95 | 2413 | B 106 | 2692 | B 120 | 3048 | B 135 | 3429 | B 157 | 3988 | B 175 | 4445 |
| B 78 | 1981 | B 87 | 2210 | B 96 | 2438 | B 107 | 2718 | B 124 | 3150 | B 136 | 3454 | B 158 | 4013 | B 177 | 4496 |
| B 79 | 2007 | B 88 | 2235 | B 97 | 2464 | B 108 | 2743 | B 127 | 3226 | B 140 | 3556 | B 161 | 4089 | B 180 | 4572 |



C SECTION

| Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) | Code | Internal length L_i (mm) |
|-------|----------------------------|-------|----------------------------|-------|----------------------------|-------|----------------------------|-------|----------------------------|-------|----------------------------|-------|----------------------------|-------|----------------------------|
| C 98 | 2489 | C 102 | 2591 | C 108 | 2743 | C 118 | 2997 | C 130 | 3302 | C 142 | 3607 | C 158 | 4013 | C 168 | 4267 |
| C 99 | 2515 | C 104 | 2642 | C 110 | 2794 | C 120 | 3048 | C 134 | 3404 | C 144 | 3658 | C 160 | 4064 | C 173 | 4394 |
| C 100 | 2540 | C 105 | 2667 | C 112 | 2845 | C 124 | 3150 | C 136 | 3454 | C 148 | 3759 | C 165 | 4191 | C 180 | 4572 |
| C 101 | 2565 | C 106 | 2692 | C 115 | 2921 | C 128 | 3251 | C 140 | 3556 | C 153 | 3886 | C 166 | 4216 | C 195 | 4953 |



SPZ SECTION

| Code | Pitch length L_p (mm) | Code | Pitch length L_p (mm) | Code | Pitch length L_p (mm) | Code | Pitch length L_p (mm) | Code | Pitch length L_p (mm) | Code | Pitch length L_p (mm) | Code | Pitch length L_p (mm) | Code | Pitch length L_p (mm) |
|----------|-------------------------|----------|-------------------------|----------|-------------------------|----------|-------------------------|----------|-------------------------|----------|-------------------------|----------|-------------------------|----------|-------------------------|
| SPZ 1250 | 1250 | SPZ 1500 | 1500 | SPZ 1700 | 1700 | SPZ 1900 | 1900 | SPZ 2120 | 2120 | SPZ 2360 | 2360 | SPZ 2650 | 2650 | SPZ 3000 | 3000 |
| SPZ 1400 | 1400 | SPZ 1600 | 1600 | SPZ 1800 | 1800 | SPZ 2000 | 2000 | SPZ 2240 | 2240 | SPZ 2500 | 2500 | SPZ 2800 | 2800 | SPZ 3150 | 3150 |
| | | | | | | | | | | | | | | SPZ 3350 | 3350 |
| | | | | | | | | | | | | | | SPZ 3550 | 3550 |



SPA SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) |
|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|
| SPA 1250 | 1250 | SPA 1600 | 1600 | SPA 1900 | 1900 | SPA 2240 | 2240 | SPA 2650 | 2650 | SPA 3150 | 3150 | SPA 3750 | 3750 | SPA 4500 | 4500 |
| SPA 1400 | 1400 | SPA 1700 | 1700 | SPA 2000 | 2000 | SPA 2360 | 2360 | SPA 2800 | 2800 | SPA 3350 | 3350 | SPA 4000 | 4000 | | |
| SPA 1500 | 1500 | SPA 1800 | 1800 | SPA 2120 | 2120 | SPA 2500 | 2500 | SPA 3000 | 3000 | SPA 3550 | 3550 | SPA 4250 | 4250 | | |



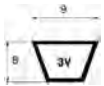
SPB SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) |
|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|
| SPB 2000 | 2000 | SPB 2360 | 2360 | SPB 2800 | 2800 | SPB 3350 | 3350 | SPB 4000 | 4000 | SPB 4750 | 4750 | SPB 5600 | 5600 | SPB 6700 | 6700 |
| SPB 2120 | 2120 | SPB 2500 | 2500 | SPB 3000 | 3000 | SPB 3550 | 3550 | SPB 4250 | 4250 | SPB 5000 | 5000 | SPB 6000 | 6000 | SPB 7100 | 7100 |
| SPB 2240 | 2240 | SPB 2650 | 2650 | SPB 3150 | 3150 | SPB 3750 | 3750 | SPB 4500 | 4500 | SPB 5300 | 5300 | SPB 6300 | 6300 | SPB 7500 | 7500 |



SPC SECTION

| Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) | Code | Pitch length L _p (mm) |
|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|-----------|----------------------------------|
| SPC 3000 | 3000 | SPC 3550 | 3550 | SPC 4250 | 4250 | SPC 5000 | 5000 | SPC 6000 | 6000 | SPC 7100 | 7100 | SPC 8500 | 8500 | SPC 10000 | 10000 |
| SPC 3150 | 3150 | SPC 3750 | 3750 | SPC 4500 | 4500 | SPC 5300 | 5300 | SPC 6300 | 6300 | SPC 7500 | 7500 | SPC 9000 | 9000 | SPC 10600 | 10600 |
| SPC 3350 | 3350 | SPC 4000 | 4000 | SPC 4750 | 4750 | SPC 5600 | 5600 | SPC 6700 | 6700 | SPC 8000 | 8000 | SPC 9500 | 9500 | SPC 11200 | 11200 |



3V SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|
| 3V 335 | 850 | 3V 400 | 1015 | 3V 475 | 1205 | 3V 560 | 1420 | 3V 670 | 1700 | 3V 800 | 2030 | 3V 950 | 2410 | 3V 1120 | 2840 |
| 3V 355 | 900 | 3V 425 | 1080 | 3V 500 | 1270 | 3V 600 | 1525 | 3V 710 | 1800 | 3V 850 | 2160 | 3V 1000 | 2540 | 3V 1180 | 3000 |
| 3V 375 | 950 | 3V 450 | 1145 | 3V 530 | 1345 | 3V 630 | 1600 | 3V 750 | 1900 | 3V 900 | 2290 | 3V 1060 | 2690 | 3V 1250 | 3180 |



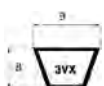
5V SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|
| 5V 500 | 1270 | 5V 630 | 1600 | 5V 800 | 2030 | 5V 1000 | 2540 | 5V 1320 | 3350 | 5V 1700 | 4320 | 5V 2120 | 5380 | 5V 2650 | 6730 |
| 5V 530 | 1345 | 5V 670 | 1700 | 5V 850 | 2160 | 5V 1120 | 2840 | 5V 1400 | 3550 | 5V 1800 | 4570 | 5V 2240 | 5690 | 5V 2800 | 7100 |
| 5V 560 | 1420 | 5V 710 | 1800 | 5V 900 | 2290 | 5V 1180 | 3000 | 5V 1500 | 3810 | 5V 1900 | 4830 | 5V 2360 | 6000 | 5V 3000 | 7620 |
| 5V 600 | 1525 | 5V 750 | 1900 | 5V 950 | 2410 | 5V 1250 | 3180 | 5V 1600 | 4060 | 5V 2000 | 5080 | 5V 2500 | 6350 | 5V 3150 | 8000 |



8V SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|
| 8V 1000 | 2540 | 8V 1250 | 3180 | 8V 1600 | 4060 | 8V 2000 | 5080 | 8V 2500 | 6350 | 8V 3150 | 8000 | 8V 4000 | 10160 | 8V 5000 | 12700 |
| 8V 1060 | 2690 | 8V 1320 | 3350 | 8V 1700 | 4320 | 8V 2120 | 5380 | 8V 2650 | 6730 | 8V 3350 | 8500 | 8V 4250 | 10800 | 8V 5600 | 14200 |
| 8V 1120 | 2840 | 8V 1400 | 3550 | 8V 1800 | 4570 | 8V 2240 | 5690 | 8V 2800 | 7100 | 8V 3550 | 9000 | 8V 4500 | 11430 | 8V 6000 | 15250 |
| 8V 1180 | 3000 | 8V 1500 | 3810 | 8V 1900 | 4830 | 8V 2360 | 6000 | 8V 3000 | 7620 | 8V 3750 | 9500 | 8V 4750 | 12060 | | |



3VX SECTION

| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|
| 3VX 250 | 630 | 3VX 315 | 800 | 3VX 400 | 1015 | 3VX 500 | 1270 | 3VX 630 | 1600 | 3VX 800 | 2030 | 3VX 1000 | 2540 | 3VX 1250 | 3180 |
| 3VX 265 | 670 | 3VX 335 | 850 | 3VX 425 | 1080 | 3VX 530 | 1345 | 3VX 670 | 1700 | 3VX 850 | 2160 | 3VX 1060 | 2690 | 3VX 1320 | 3350 |
| 3VX 280 | 710 | 3VX 355 | 900 | 3VX 450 | 1145 | 3VX 560 | 1420 | 3VX 710 | 1800 | 3VX 900 | 2290 | 3VX 1120 | 2840 | 3VX 1400 | 3550 |
| 3VX 300 | 760 | 3VX 375 | 950 | 3VX 475 | 1205 | 3VX 600 | 1525 | 3VX 750 | 1900 | 3VX 950 | 2410 | 3VX 1180 | 3000 | | |



5VX SECTION

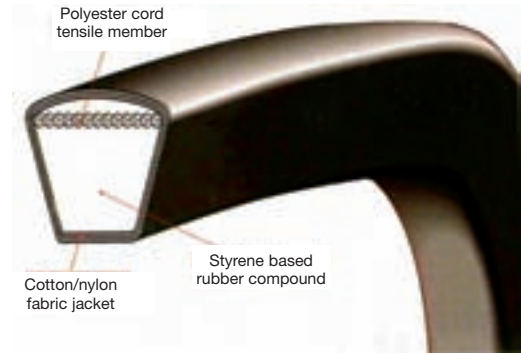
| Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) | Code | External length L _e (mm) |
|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|
| 5VX 500 | 1270 | 5VX 600 | 1525 | 5VX 710 | 1800 | 5VX 900 | 2290 | 5VX 1060 | 2690 | 5VX 1250 | 3180 | 5VX 1500 | 3810 | 5VX 1800 | 4570 |
| 5VX 530 | 1345 | 5VX 630 | 1600 | 5VX 800 | 2030 | 5VX 950 | 2410 | 5VX 1120 | 2840 | 5VX 1320 | 3350 | 5VX 1600 | 4060 | 5VX 1900 | 4830 |
| 5VX 560 | 1420 | 5VX 670 | 1700 | 5VX 850 | 2160 | 5VX 1000 | 2540 | 5VX 1180 | 3000 | 5VX 1400 | 3550 | 5VX 1700 | 4320 | 5VX 2000 | 5080 |

EXTRA

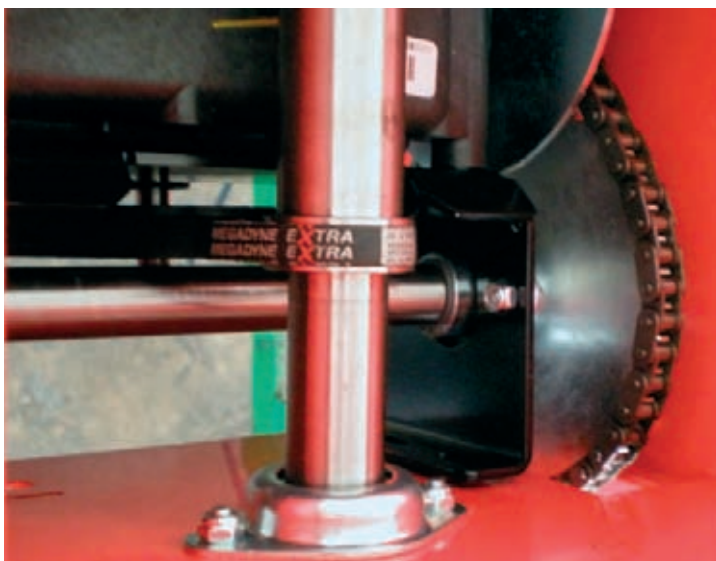
EXTRA is the Megadyne V-belt line able to couple an extra-ordinary quality with an extra-ordinary price.

APPLICATIONS

- Agriculture
- Gardening
- Ceramics
- Compressors
- Fin-Fan
- Ventilators
- Fitness
- Machine tools



The classical V-belt and SP wedge belts are antistatic, according to the ISO1813 and BS8790.





Z SECTION

| Code (in) | Code (in) | Code (in) | Code | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) |
|---------------|---------------|---------------|---------------|---------------|------------|------------|---------------|---------------|
| Z 17,25-Extra | Z 23-Extra | Z 28-Extra | Z 32,50-Extra | Z 36,75-Extra | Z 41-Extra | Z 49-Extra | Z 57-Extra | Z 67-Extra |
| Z 18-Extra | Z 23,75-Extra | Z 28,50-Extra | Z 33-Extra | Z 37-Extra | Z 42-Extra | Z 50-Extra | Z 59-Extra | Z 68,50-Extra |
| Z 19-Extra | Z 24-Extra | Z 29-Extra | Z 33,50-Extra | Z 38-Extra | Z 43-Extra | Z 51-Extra | Z 59,50-Extra | Z 69-Extra |
| Z 19,50-Extra | Z 25-Extra | Z 30-Extra | Z 34-Extra | Z 38,25-Extra | Z 44-Extra | Z 52-Extra | Z 61-Extra | Z 71-Extra |
| Z 20,50-Extra | Z 25,50-Extra | Z 30,50-Extra | Z 34,25-Extra | Z 38,50-Extra | Z 45-Extra | Z 53-Extra | Z 62-Extra | |
| Z 21-Extra | Z 26-Extra | Z 30,75-Extra | Z 34,50-Extra | Z 39-Extra | Z 46-Extra | Z 54-Extra | Z 63-Extra | |
| Z 22-Extra | Z 27-Extra | Z 31,50-Extra | Z 35-Extra | Z 40-Extra | Z 47-Extra | Z 55-Extra | Z 65-Extra | |
| Z 22,25-Extra | Z 27,50-Extra | Z 32-Extra | Z 36-Extra | Z 40,50-Extra | Z 48-Extra | Z 56-Extra | Z 66-Extra | |



A SECTION

| Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) |
|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|
| A 18-Extra | A 31-Extra | A 44-Extra | A 57-Extra | A 70-Extra | A 83-Extra | A 96-Extra | A 114-Extra | A 148-Extra |
| A 19-Extra | A 32-Extra | A 45-Extra | A 58-Extra | A 71-Extra | A 84-Extra | A 97-Extra | A 116-Extra | A 155-Extra |
| A 20-Extra | A 33-Extra | A 46-Extra | A 59-Extra | A 72-Extra | A 85-Extra | A 98-Extra | A 118-Extra | A 158-Extra |
| A 21-Extra | A 34-Extra | A 47-Extra | A 60-Extra | A 73-Extra | A 86-Extra | A 99-Extra | A 120-Extra | A 162-Extra |
| A 22-Extra | A 35-Extra | A 48-Extra | A 61-Extra | A 74-Extra | A 87-Extra | A 101-Extra | A 124-Extra | A 167-Extra |
| A 23-Extra | A 36-Extra | A 49-Extra | A 62-Extra | A 75-Extra | A 88-Extra | A 102-Extra | A 128-Extra | A 173-Extra |
| A 24-Extra | A 37-Extra | A 50-Extra | A 63-Extra | A 76-Extra | A 89-Extra | A 104-Extra | A 130-Extra | A 177-Extra |
| A 25-Extra | A 38-Extra | A 51-Extra | A 64-Extra | A 77-Extra | A 90-Extra | A 105-Extra | A 132-Extra | A 180-Extra |
| A 26-Extra | A 39-Extra | A 52-Extra | A 65-Extra | A 78-Extra | A 91-Extra | A 107-Extra | A 134-Extra | A 187-Extra |
| A 27-Extra | A 40-Extra | A 53-Extra | A 66-Extra | A 79-Extra | A 92-Extra | A 108-Extra | A 136-Extra | A 197-Extra |
| A 28-Extra | A 41-Extra | A 54-Extra | A 67-Extra | A 80-Extra | A 93-Extra | A 110-Extra | A 140-Extra | A 210-Extra |
| A 29-Extra | A 42-Extra | A 55-Extra | A 68-Extra | A 81-Extra | A 94-Extra | A 112-Extra | A 144-Extra | A 217-Extra |
| A 30-Extra | A 43-Extra | A 56-Extra | A 69-Extra | A 82-Extra | A 95-Extra | A 113-Extra | A 147-Extra | |



B SECTION

| Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) |
|---------------|------------|------------|----------------|-------------|-------------|-------------|-------------|-------------|
| B 23-Extra | B 47-Extra | B 72-Extra | B 97-Extra | B 121-Extra | B 152-Extra | B 180-Extra | B 224-Extra | B 270-Extra |
| B 24-Extra | B 48-Extra | B 73-Extra | B 98-Extra | B 122-Extra | B 153-Extra | B 182-Extra | B 225-Extra | B 272-Extra |
| B 25-Extra | B 49-Extra | B 74-Extra | B 99-Extra | B 123-Extra | B 154-Extra | B 184-Extra | B 226-Extra | B 276-Extra |
| B 26-Extra | B 50-Extra | B 75-Extra | B 100-Extra | B 124-Extra | B 155-Extra | B 185-Extra | B 228-Extra | B 280-Extra |
| B 27-Extra | B 51-Extra | B 76-Extra | B 101-Extra | B 125-Extra | B 156-Extra | B 186-Extra | B 229-Extra | B 285-Extra |
| B 28-Extra | B 52-Extra | B 77-Extra | B 102-Extra | B 126-Extra | B 157-Extra | B 187-Extra | B 230-Extra | B 290-Extra |
| B 29-Extra | B 53-Extra | B 78-Extra | B 103-Extra | B 127-Extra | B 158-Extra | B 188-Extra | B 232-Extra | B 300-Extra |
| B 30-Extra | B 54-Extra | B 79-Extra | B 104-Extra | B 128-Extra | B 160-Extra | B 190-Extra | B 236-Extra | B 315-Extra |
| B 31-Extra | B 55-Extra | B 80-Extra | B 105-Extra | B 130-Extra | B 161-Extra | B 192-Extra | B 237-Extra | B 330-Extra |
| B 32-Extra | B 56-Extra | B 81-Extra | B 106-Extra | B 131-Extra | B 162-Extra | B 195-Extra | B 238-Extra | B 345-Extra |
| B 33-Extra | B 57-Extra | B 82-Extra | B 107-Extra | B 132-Extra | B 163-Extra | B 197-Extra | B 240-Extra | B 360-Extra |
| B 34-Extra | B 58-Extra | B 83-Extra | B 108-Extra | B 133-Extra | B 164-Extra | B 198-Extra | B 248-Extra | B 361-Extra |
| B 34,50-Extra | B 59-Extra | B 84-Extra | B 109-Extra | B 134-Extra | B 165-Extra | B 200-Extra | B 249-Extra | B 364-Extra |
| B 35-Extra | B 60-Extra | B 85-Extra | B 110-Extra | B 135-Extra | B 166-Extra | B 201-Extra | B 250-Extra | B 366-Extra |
| B 36-Extra | B 61-Extra | B 86-Extra | B 111-Extra | B 136-Extra | B 167-Extra | B 204-Extra | B 252-Extra | B 394-Extra |
| B 37-Extra | B 62-Extra | B 87-Extra | B 112-Extra | B 138-Extra | B 168-Extra | B 205-Extra | B 253-Extra | B 433-Extra |
| B 38-Extra | B 63-Extra | B 88-Extra | B 113-Extra | B 140-Extra | B 169-Extra | B 208-Extra | B 255-Extra | |
| B 39-Extra | B 64-Extra | B 89-Extra | B 112,50-Extra | B 142-Extra | B 170-Extra | B 210-Extra | B 256-Extra | |
| B 40-Extra | B 65-Extra | B 90-Extra | B 114-Extra | B 144-Extra | B 172-Extra | B 212-Extra | B 257-Extra | |
| B 41-Extra | B 66-Extra | B 91-Extra | B 115-Extra | B 145-Extra | B 173-Extra | B 214-Extra | B 258-Extra | |
| B 42-Extra | B 67-Extra | B 92-Extra | B 116-Extra | B 146-Extra | B 174-Extra | B 215-Extra | B 259-Extra | |
| B 43-Extra | B 68-Extra | B 93-Extra | B 117-Extra | B 147-Extra | B 175-Extra | B 217-Extra | B 260-Extra | |
| B 44-Extra | B 69-Extra | B 94-Extra | B 118-Extra | B 148-Extra | B 176-Extra | B 220-Extra | B 264-Extra | |
| B 45-Extra | B 70-Extra | B 95-Extra | B 119-Extra | B 150-Extra | B 177-Extra | B 221-Extra | B 265-Extra | |
| B 46-Extra | B 71-Extra | B 96-Extra | B 120-Extra | B 151-Extra | B 178-Extra | B 223-Extra | B 269-Extra | |

EXTRA



C SECTION

| Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) |
|------------|------------|-------------|----------------|-------------|----------------|-------------|-------------|-------------|
| C 43-Extra | C 66-Extra | C 89-Extra | C 112-Extra | C 134-Extra | C 157-Extra | C 183-Extra | C 220-Extra | C 276-Extra |
| C 44-Extra | C 67-Extra | C 90-Extra | C 112.50-Extra | C 135-Extra | C 158-Extra | C 184-Extra | C 222-Extra | C 280-Extra |
| C 45-Extra | C 68-Extra | C 91-Extra | C 113-Extra | C 136-Extra | C 159-Extra | C 185-Extra | C 223-Extra | C 285-Extra |
| C 46-Extra | C 69-Extra | C 92-Extra | C 114-Extra | C 137-Extra | C 160-Extra | C 186-Extra | C 225-Extra | C 289-Extra |
| C 47-Extra | C 70-Extra | C 93-Extra | C 115-Extra | C 138-Extra | C 161.50-Extra | C 187-Extra | C 228-Extra | C 295-Extra |
| C 48-Extra | C 71-Extra | C 94-Extra | C 116-Extra | C 139-Extra | C 162-Extra | C 188-Extra | C 230-Extra | C 297-Extra |
| C 49-Extra | C 72-Extra | C 95-Extra | C 117-Extra | C 140-Extra | C 163-Extra | C 189-Extra | C 235-Extra | C 300-Extra |
| C 50-Extra | C 73-Extra | C 96-Extra | C 118-Extra | C 141-Extra | C 164-Extra | C 190-Extra | C 236-Extra | C 303-Extra |
| C 51-Extra | C 74-Extra | C 97-Extra | C 119-Extra | C 142-Extra | C 165-Extra | C 192-Extra | C 238-Extra | C 314-Extra |
| C 52-Extra | C 75-Extra | C 98-Extra | C 120-Extra | C 143-Extra | C 166-Extra | C 193-Extra | C 240-Extra | C 316-Extra |
| C 53-Extra | C 76-Extra | C 99-Extra | C 121-Extra | C 144-Extra | C 167-Extra | C 194-Extra | C 246-Extra | C 330-Extra |
| C 54-Extra | C 77-Extra | C 100-Extra | C 122-Extra | C 145-Extra | C 168-Extra | C 195-Extra | C 248-Extra | C 336-Extra |
| C 55-Extra | C 78-Extra | C 101-Extra | C 123-Extra | C 146-Extra | C 169-Extra | C 196-Extra | C 250-Extra | C 345-Extra |
| C 56-Extra | C 79-Extra | C 102-Extra | C 124-Extra | C 147-Extra | C 170-Extra | C 197-Extra | C 253-Extra | C 360-Extra |
| C 57-Extra | C 80-Extra | C 103-Extra | C 125-Extra | C 148-Extra | C 172-Extra | C 198-Extra | C 255-Extra | C 375-Extra |
| C 58-Extra | C 81-Extra | C 104-Extra | C 126-Extra | C 149-Extra | C 173-Extra | C 204-Extra | C 256-Extra | C 394-Extra |
| C 59-Extra | C 82-Extra | C 105-Extra | C 127-Extra | C 150-Extra | C 174-Extra | C 205-Extra | C 258-Extra | C 420-Extra |
| C 60-Extra | C 83-Extra | C 106-Extra | C 128-Extra | C 151-Extra | C 176-Extra | C 208-Extra | C 260-Extra | C 424-Extra |
| C 61-Extra | C 84-Extra | C 107-Extra | C 129-Extra | C 152-Extra | C 177-Extra | C 210-Extra | C 261-Extra | C 440-Extra |
| C 62-Extra | C 85-Extra | C 108-Extra | C 130-Extra | C 153-Extra | C 178-Extra | C 212-Extra | C 265-Extra | |
| C 63-Extra | C 86-Extra | C 109-Extra | C 131-Extra | C 154-Extra | C 179-Extra | C 214-Extra | C 267-Extra | |
| C 64-Extra | C 87-Extra | C 110-Extra | C 132-Extra | C 155-Extra | C 180-Extra | C 215-Extra | C 268-Extra | |
| C 65-Extra | C 88-Extra | C 111-Extra | C 133-Extra | C 156-Extra | C 182-Extra | C 216-Extra | C 270-Extra | |



D SECTION

| Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) | Code (in) |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|
| D 120-Extra | D 126-Extra | D 144-Extra | D 158-Extra | D 240-Extra | D 267-Extra | D 315-Extra | D 390-Extra | |
| D 122-Extra | D 130-Extra | D 146-Extra | D 210-Extra | D 250-Extra | D 282-Extra | D 330-Extra | | |
| D 124-Extra | D 142-Extra | D 156-Extra | D 225-Extra | D 255-Extra | D 285-Extra | D 345-Extra | | |



SPZ SECTION

| Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) |
|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| SPZ 587-Extra | SPZ 772-Extra | SPZ 925-Extra | SPZ 1087-Extra | SPZ 1262-Extra | SPZ 1462-Extra | SPZ 1700-Extra | SPZ 1962-Extra | SPZ 2287-Extra |
| SPZ 607-Extra | SPZ 787-Extra | SPZ 937-Extra | SPZ 1112-Extra | SPZ 1270-Extra | SPZ 1487-Extra | SPZ 1737-Extra | SPZ 1987-Extra | SPZ 2360-Extra |
| SPZ 612-Extra | SPZ 800-Extra | SPZ 950-Extra | SPZ 1120-Extra | SPZ 1287-Extra | SPZ 1500-Extra | SPZ 1750-Extra | SPZ 2000-Extra | SPZ 2437-Extra |
| SPZ 630-Extra | SPZ 812-Extra | SPZ 962-Extra | SPZ 1137-Extra | SPZ 1312-Extra | SPZ 1512-Extra | SPZ 1762-Extra | SPZ 2019-Extra | SPZ 2487-Extra |
| SPZ 637-Extra | SPZ 825-Extra | SPZ 975-Extra | SPZ 1147-Extra | SPZ 1320-Extra | SPZ 1537-Extra | SPZ 1787-Extra | SPZ 2037-Extra | SPZ 2500-Extra |
| SPZ 662-Extra | SPZ 837-Extra | SPZ 987-Extra | SPZ 1150-Extra | SPZ 1337-Extra | SPZ 1562-Extra | SPZ 1800-Extra | SPZ 2062-Extra | SPZ 2540-Extra |
| SPZ 670-Extra | SPZ 850-Extra | SPZ 1000-Extra | SPZ 1162-Extra | SPZ 1347-Extra | SPZ 1587-Extra | SPZ 1812-Extra | SPZ 2087-Extra | SPZ 2650-Extra |
| SPZ 687-Extra | SPZ 862-Extra | SPZ 1012-Extra | SPZ 1180-Extra | SPZ 1362-Extra | SPZ 1600-Extra | SPZ 1837-Extra | SPZ 2120-Extra | SPZ 2800-Extra |
| SPZ 710-Extra | SPZ 875-Extra | SPZ 1024-Extra | SPZ 1187-Extra | SPZ 1387-Extra | SPZ 1612-Extra | SPZ 1850-Extra | SPZ 2137-Extra | SPZ 3000-Extra |
| SPZ 722-Extra | SPZ 887-Extra | SPZ 1037-Extra | SPZ 1202-Extra | SPZ 1400-Extra | SPZ 1637-Extra | SPZ 1862-Extra | SPZ 2160-Extra | SPZ 3150-Extra |
| SPZ 737-Extra | SPZ 900-Extra | SPZ 1047-Extra | SPZ 1212-Extra | SPZ 1412-Extra | SPZ 1650-Extra | SPZ 1887-Extra | SPZ 2187-Extra | SPZ 3350-Extra |
| SPZ 750-Extra | SPZ 912-Extra | SPZ 1060-Extra | SPZ 1237-Extra | SPZ 1420-Extra | SPZ 1662-Extra | SPZ 1900-Extra | SPZ 2240-Extra | SPZ 3550-Extra |
| SPZ 762-Extra | SPZ 922-Extra | SPZ 1077-Extra | SPZ 1250-Extra | SPZ 1437-Extra | SPZ 1687-Extra | SPZ 1937-Extra | SPZ 2262-Extra | |





SPA SECTION

| Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| SPA 657-Extra | SPA 932-Extra | SPA 1180-Extra | SPA 1425-Extra | SPA 1657-Extra | SPA 1907-Extra | SPA 2240-Extra | SPA 2650-Extra | SPA 3150-Extra |
| SPA 707-Extra | SPA 950-Extra | SPA 1207-Extra | SPA 1432-Extra | SPA 1682-Extra | SPA 1925-Extra | SPA 2282-Extra | SPA 2682-Extra | SPA 3182-Extra |
| SPA 732-Extra | SPA 957-Extra | SPA 1232-Extra | SPA 1450-Extra | SPA 1700-Extra | SPA 1932-Extra | SPA 2300-Extra | SPA 2732-Extra | SPA 3250-Extra |
| SPA 757-Extra | SPA 982-Extra | SPA 1250-Extra | SPA 1457-Extra | SPA 1707-Extra | SPA 1957-Extra | SPA 2307-Extra | SPA 2782-Extra | SPA 3282-Extra |
| SPA 782-Extra | SPA 1000-Extra | SPA 1257-Extra | SPA 1482-Extra | SPA 1732-Extra | SPA 1982-Extra | SPA 2332-Extra | SPA 2800-Extra | SPA 3350-Extra |
| SPA 800-Extra | SPA 1007-Extra | SPA 1272-Extra | SPA 1500-Extra | SPA 1750-Extra | SPA 2000-Extra | SPA 2360-Extra | SPA 2832-Extra | SPA 3382-Extra |
| SPA 807-Extra | SPA 1032-Extra | SPA 1282-Extra | SPA 1507-Extra | SPA 1757-Extra | SPA 2032-Extra | SPA 2382-Extra | SPA 2847-Extra | SPA 3550-Extra |
| SPA 832-Extra | SPA 1060-Extra | SPA 1307-Extra | SPA 1532-Extra | SPA 1782-Extra | SPA 2057-Extra | SPA 2432-Extra | SPA 2882-Extra | SPA 3650-Extra |
| SPA 850-Extra | SPA 1082-Extra | SPA 1320-Extra | SPA 1550-Extra | SPA 1800-Extra | SPA 2082-Extra | SPA 2482-Extra | SPA 2900-Extra | SPA 3750-Extra |
| SPA 857-Extra | SPA 1107-Extra | SPA 1332-Extra | SPA 1557-Extra | SPA 1807-Extra | SPA 2120-Extra | SPA 2500-Extra | SPA 2932-Extra | SPA 4000-Extra |
| SPA 882-Extra | SPA 1120-Extra | SPA 1357-Extra | SPA 1582-Extra | SPA 1832-Extra | SPA 2132-Extra | SPA 2532-Extra | SPA 2982-Extra | SPA 4250-Extra |
| SPA 900-Extra | SPA 1132-Extra | SPA 1382-Extra | SPA 1600-Extra | SPA 1857-Extra | SPA 2182-Extra | SPA 2582-Extra | SPA 3000-Extra | SPA 4500-Extra |
| SPA 907-Extra | SPA 1150-Extra | SPA 1400-Extra | SPA 1607-Extra | SPA 1882-Extra | SPA 2207-Extra | SPA 2607-Extra | SPA 3032-Extra | SPA 4750-Extra |
| SPA 925-Extra | SPA 1157-Extra | SPA 1407-Extra | SPA 1632-Extra | SPA 1900-Extra | SPA 2232-Extra | SPA 2632-Extra | SPA 3082-Extra | |



SPB SECTION

| Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| SPB 1250-Extra | SPB 1700-Extra | SPB 2020-Extra | SPB 2300-Extra | SPB 2580-Extra | SPB 2850-Extra | SPB 3250-Extra | SPB 4000-Extra | SPB 6000-Extra |
| SPB 1320-Extra | SPB 1750-Extra | SPB 2120-Extra | SPB 2360-Extra | SPB 2600-Extra | SPB 2900-Extra | SPB 3320-Extra | SPB 4250-Extra | SPB 6300-Extra |
| SPB 1400-Extra | SPB 1800-Extra | SPB 2150-Extra | SPB 2391-Extra | SPB 2650-Extra | SPB 2950-Extra | SPB 3350-Extra | SPB 4500-Extra | SPB 6700-Extra |
| SPB 1450-Extra | SPB 1860-Extra | SPB 2180-Extra | SPB 2410-Extra | SPB 2680-Extra | SPB 3000-Extra | SPB 3450-Extra | SPB 4750-Extra | SPB 7100-Extra |
| SPB 1500-Extra | SPB 1900-Extra | SPB 2240-Extra | SPB 2430-Extra | SPB 2720-Extra | SPB 3070-Extra | SPB 3550-Extra | SPB 5000-Extra | SPB 7500-Extra |
| SPB 1600-Extra | SPB 1950-Extra | SPB 2264-Extra | SPB 2500-Extra | SPB 2800-Extra | SPB 3150-Extra | SPB 3650-Extra | SPB 5300-Extra | SPB 8000-Extra |
| SPB 1650-Extra | SPB 2000-Extra | SPB 2280-Extra | SPB 2530-Extra | SPB 2840-Extra | SPB 3170-Extra | SPB 3750-Extra | SPB 5600-Extra | |



SPC SECTION

| Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) | Code (mm) |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------|
| SPC 2000-Extra | SPC 2500-Extra | SPC 3150-Extra | SPC 4000-Extra | SPC 4750-Extra | SPC 6000-Extra | SPC 7500-Extra | SPC 9500-Extra | |
| SPC 2120-Extra | SPC 2650-Extra | SPC 3350-Extra | SPC 4100-Extra | SPC 5000-Extra | SPC 6300-Extra | SPC 8000-Extra | SPC 10000-Extra | |
| SPC 2240-Extra | SPC 2800-Extra | SPC 3550-Extra | SPC 4250-Extra | SPC 5300-Extra | SPC 6700-Extra | SPC 8500-Extra | SPC 10600-Extra | |
| SPC 2360-Extra | SPC 3000-Extra | SPC 3750-Extra | SPC 4500-Extra | SPC 5600-Extra | SPC 7100-Extra | SPC 9000-Extra | | |



USEFUL FORMULAS AND CONVERSION TABLE

SPEED

$$v = \frac{d_1 \cdot n_1}{19100} \quad n_1 = \frac{v \cdot 19100}{d_1} \quad d_1 = \frac{v \cdot 19100}{n_1}$$

v: peripheral speed [m/s]
n₁: rotation speed [RPM]
d₁: pulley diameter [mm]

FORCE AND TORQUE

$$F_u = \frac{19,1 \cdot 10^6 \cdot P}{d_1 \cdot n_1} \quad F_u = \frac{2000 \cdot M_t}{d_1} \quad F_u = \frac{P \cdot 10^3}{d_1}$$

F_u: peripheral force [N]
M_t: drive torque [Nm]
P: power [kW]
n₁: rotation speed [RPM]
d₁: pulley diameter [mm]
v: peripheral speed [m/s]

$$M_t = \frac{P \cdot 9550}{n_1} \quad M_t = \frac{F_u \cdot d_1}{2000} \quad M_t = \frac{P \cdot d_1}{2 \cdot v}$$

POWER

$$P = \frac{F_u \cdot d_1 \cdot n_1}{19,1 \cdot 10^6} \quad P = \frac{M_t \cdot n_1}{9550} \quad P = \frac{F_u \cdot v}{1000}$$

P: power [kW]
F_u: peripheral force [N]
M_t: drive torque [Nm]
n₁: rotation speed [RPM]
d₁: pulley diameter [mm]

| To convert from | to | multiply by |
|-----------------|-----------------|----------------------------|
| CV | HP | 0,9863201 |
| CV | kcal/h | 63,24151 |
| CV | W | 735,4988 |
| CV | kW | 0,7354988 |
| CV | kgf ↔ m/s | 75 |
| CV | lbf ↔ ft/s | 542,476 |
| HP | CV | 1,01387 |
| HP | kcal/h | 641,1865 |
| HP | W | 745,6999 |
| HP | kW | 0,7456999 |
| HP | kgf ↔ m/s | 76,04022 |
| HP | lbf ↔ ft/s | 550 |
| in | m | 0,0254 |
| in | cm | 2,54 |
| in | mm | 25,4 |
| in | ft | 0,083 |
| in ² | m ² | 0,00064516 |
| in ² | cm ² | 6,4516 |
| in ² | mm ² | 645,16 |
| in ² | ft ² | 0,006944444 |
| in ³ | m ³ | 1,63871 · 10 ⁻⁵ |
| in ³ | cm ³ | 16,38706 |
| in ³ | mm ³ | 16387,06 |
| in ³ | ft ³ | 0,000578704 |

| To convert from | to | multiply by |
|-----------------|------------|----------------------------|
| J | CV ↔ h | 3,77673 · 10 ⁻⁷ |
| J | HP ↔ h | 3,72506 · 10 ⁻⁷ |
| J | kWh | 2,77778 · 10 ⁻⁷ |
| kg | lb | 2,204623 |
| kgf | N | 9,80665 |
| kgf | lbf | 2,204623 |
| kgf ↔ m/s | CV | 0,01333333 |
| kgf ↔ m/s | W | 9,80665 |
| kgf ↔ m/s | kW | 0,00980665 |
| kW | CV | 1,359622 |
| kW | kcal/h | 859,8452 |
| kW | W | 1000 |
| kW | kgf ↔ m/s | 101,9716 |
| kW | lbf ↔ ft/s | 737,5621 |
| lb | kg | 0,4535924 |
| lb | kgf | 0,4535924 |
| lb | N | 4,448222 |
| N | kgf | 0,1019716 |
| N | lbf | 0,2248089 |
| W | CV | 0,001359622 |
| W | HP | 0,001341022 |
| W | kcal/h | 0,8598452 |
| W | kW | 0,001 |
| W | kgf ↔ m/s | 0,1019716 |
| W | lbf ↔ ft/s | 0,7375621 |

The data given in this catalogue are updated at the day of printing and are not intended as a guarantee: Megadyne S.p.A. reserves the right to modify the characteristic of the belts describe herein without any prior notice.



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MEGADYNE



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SOROCABA (Brasil)
CARTAGENA (Colombia)
CORDOBA (Argentina)
LIMA (Peru)

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