



GREEN INDUSTRY OEM SOLUTIONS



OEM SOLUTIONS



MANUFACTURING QUALITY

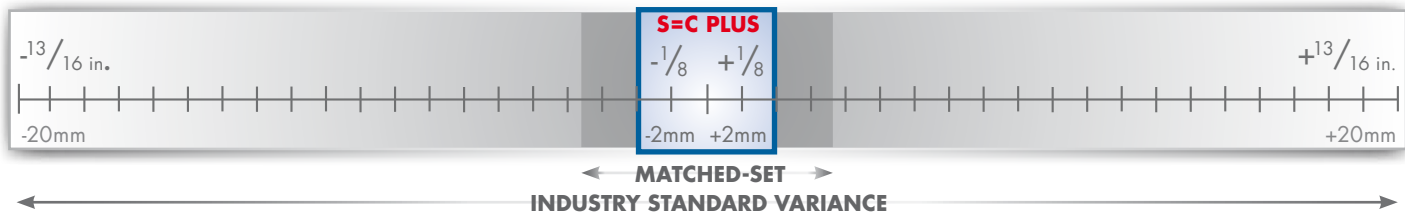
Optibelt ensures quality products because of our Engineering expertise that extends from R&D to the production floor. Every production run is quality checked at over 20 separate stages. This ensures every belt has the same quality and performance characteristics regardless of the date manufactured. Other examples include:

- Rubber compounds are mixed on site for a higher level of quality control.
- V-belt's are built individually for tighter tolerances, reduced waste, and allow increased manufacturing flexibility as no molds are necessary.
- Rubber coated cords and rubber impregnated cover fabric so they uniformly bond to the belts core during vulcanization.
- Industry leading Set-Constant (S=C Plus) length tolerances.

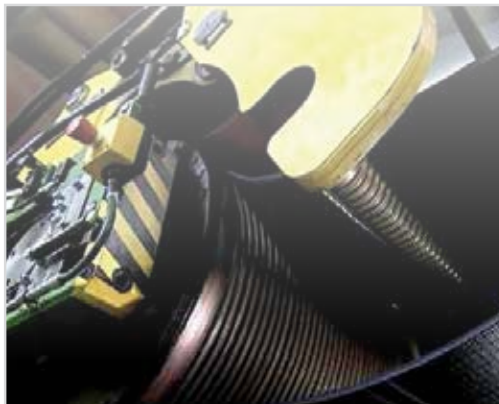
SET-CONSTANT (S=C PLUS) PRECISION V-BELT LENGTH TOLERANCES

Optibelt's quality materials and manufacturing processes ensure the tightest v-belt length tolerances in the world. This is one of the most important differences to OEM's as Optibelt's tolerances speed manufacturing and ensure products can hit the ground running.

B105 V-BELT Example length variances are the same for B profile length ranges 90-144 in. with polyester cords.



Industry standard length tolerances for a B105 v-belt will vary + or - 13/16" or more than 1-1/2". Optibelt Set-Constant (S=C PLUS) tolerances vary + or - 1/8" or only 1/4" **regardless of the date manufactured.**



ROTARY VULCANIZATION

Most manufacturers utilize a step-cure process which vulcanizes belts in sections. This process is easier but can produce overlapped vulcanized sections that can cause performance issues or failures.

Optibelt's rotary vulcanization continually rotates the belt as it is being cured. This has the following benefits:

- Consistent profile sidewalls for superior sheave contact
- No variation in consistency
- No molds needed over 47 inches



VALUE-ADDED PARTNER

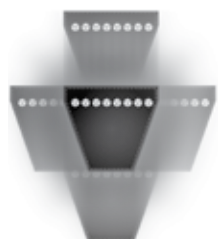
Consumers are continually expecting products that perform better and last longer while manufacturers need to reduce costs and increase efficiencies. Optibelt works with some of the largest OEM's in the world. Our engineering teams can work with you to design, develop, test and manufacture the quality products customers demand and improve performance and reduce warranty claims.

For over 140 years Optibelt has delivered superior power transmission products for automotive, small engine, heavy equipment, industrial applications and much more.

MOWER DECK BELTS

SPECIALTY CONSTRUCTIONS DESIGNED FOR MOWER DECK APPLICATIONS.

- Transverse fiber core improves rigidity in one direction while allowing flexibility in the opposite direction. fig.1
- Rubber impregnated wrapped fabric is bonded to the core rubber for low friction clutching while improving durability.
- Increased power capacity allow for more compact drive designs.
- Standard cords are Aramid and low-stretch polyester. Specialty construction cords available such as: high modulus, low stretch, high-flex, and more.



STANDARD
RUBBER



TRANSVERSE
FIBER RUBBER

fig.1

FLEX RANGE

Standard rubber flexes vertically (around sheaves) and horizontally. Horizontal flex transmits vibration and effects efficiency. Transverse fiber rubber allows vertical flex, but is resistive to horizontal flex.



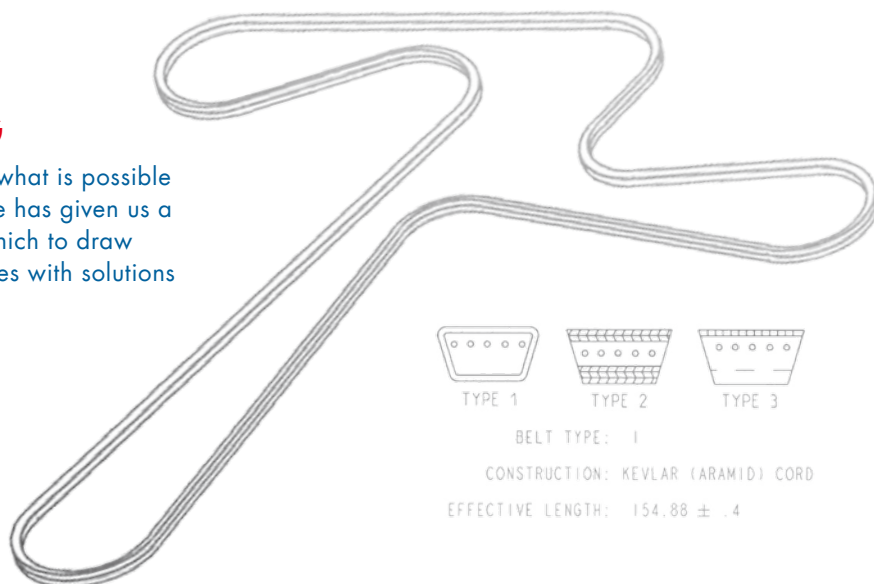
AVAILABLE PROFILES

Classical: 3L, 4L/A, 5L/B, C, D
Standard: 3V, 5V, 8V
Metric: SPZ, SPA, SPB, SPC

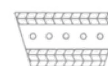
DESIGN & ENGINEERING

Optibelt provides OEM's with detailed insight into what is possible from a power transmission product. Our experience has given us a large repository of information and expertise on which to draw upon. This allows Optibelt to solve application issues with solutions that are effective in real-world environments.

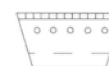
Contact an Optibelt representative to discover how we can help you.



TYPE 1



TYPE 2



TYPE 3

BELT TYPE: 1

CONSTRUCTION: KEVLAR (ARAMID) CORD

EFFECTIVE LENGTH: 154.88 ± .4

OEM SOLUTIONS



Customized drive solutions, engineered for your applications



Premium raw material, tested production processes and certified quality



We work closely with our customers to develop long-term partnerships



Superior service and global capabilities

CUSTOM V-BELT EXAMPLES



STRENGTH

transverse fiber core rubber compound



POWER

aramid or custom high modulus polyester cords



DURABILITY

dual layer or special construction fabric covers



FLEXIBILITY

smaller cords increase flex and reduce heat

Optibelt makes a full range of power transmission products which can be developed for specific applications.

BANDED - DOUBLE SIDED - TIMING - RIBBED (MICRO-V) - VARIABLE SPEED

INDUSTRY SOLUTIONS



HOME CONSUMER



PROFESSIONAL



FACILITY MAINTENANCE



FARM & AGRICULTURE



HEAVY EQUIPMENT



TREE CARE