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**BAN/SET**®

BANDO's Power Ace® narrow profile V-belt transmits power more efficiently and effectively, delivering higher horsepower ratings than classical cross section belts. BANDO's Power Ace® should be considered for any new drive application, as they can transmit the same load as classical belts in 1/2 to 2/3 the space.

- The special bias cut angle of the cover fabric reduces stress as the belt bends around sheaves, lowering heat build up that shortens belt life.
- Extra strong polyester cords are treated for fatigue, stretch resistance and adhesion to assure the longest possible belt life.
- The rubber compound of the body is engineered to maintain structural uniformity while maintaining the flexibility to reduce heat build up.
- Meets RMA standards for oil and heat resistance and static conductivity.

**Product Preview**



## Power King®



**BAN/SET**®

BANDO's continuous improvements in materials, design and manufacturing methods make the Power King® classical cross section belt the workhorse of industry.

- Bias cut, rubber impregnated fabric cover provides superior flexibility and friction resistance. Oil and heat resistant.
- Ultra high strength polyester cords assure fatigue resistance and length stability while providing the flexibility needed to attain long, trouble-free service.
- Specially compounded rubber body reduces heat build-up while giving firm support to the cords, maintaining uniform load distribution.
- Meets RMA standards for oil and heat resistance and static conductivity.

## Power Ace® Cog and Power King® Cog



**BAN/SET**®

Studies have determined that using BANDO Power King® Cog and Power Ace® Cog V-belts can save substantial dollars on energy consumption. The precision molded raw edge cogged construction transfers power with much greater efficiency, allowing for smaller sheave sizes and increased power transmission capabilities.

- The bias cut cover stock provides lateral stability across the width of the belt while allowing axial flexibility.
- Stability is assured through the use of **BANPRENE**® cushion stock that maintains cord integrity, assuring uniform distribution of load transmission.
- The fiber loaded cogged construction provides optimum flexibility and minimizes heat build-up.
- Meets RMA standards for oil and heat resistance and static conductivity.

## **Power Ace® Combo, Power King® Combo and Power Ace® Aramid Combo**



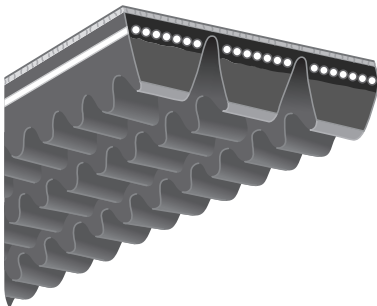
**BAN/SET®**

To resolve problem applications where belts are flipping over or jumping out of the sheaves, utilize BANDO's series of Combo belts. The tie band assures lateral rigidity and guides the belts into the sheave grooves.

- The tie band, reinforced with high strength transverse tensile cords, is fully oil and heat resistant and permanently welds the individual belts together.
- Combos utilize the premium quality Power King® and Power Ace® belts, with all of their features and benefits.
- Assures equal load distribution in drives where high shock or pulsating loads cause belts to whip, flip over or jump out of the sheave grooves.
- Combos are ideal for use on vertical shaft drives.
- Meets RMA standards for oil and heat resistance and static conductivity.

Power Ace® Aramid Combo belts are constructed with high modulus aramid cords to maintain length stability and to withstand severe shock loads, making them ideally suited for oil, gas, aggregate and lumber industry applications.

## **Power Ace® Cog Combo**



**BAN/SET®**

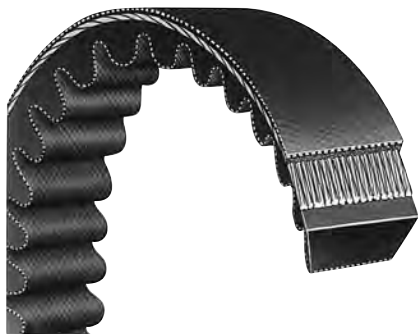
Power Ace® Cog Combo combines the superior load carrying capacity of the Power Ace® Cog belt with the banded construction of BANDO's Combo series to provide an exceptional belt for troublesome applications. The tie band assures lateral rigidity and guides the belts into the sheave grooves.

- The tie band, reinforced with high strength transverse tensile cords, is fully oil and heat resistant and permanently welds the individual belts together.
- Power Ace® Cog Combos utilize the premium quality Power Ace® Cog belts, with all of their features and benefits.
- Provide belt stability in drives where high shock or pulsating loads cause belts to whip, flip over, or jump out of the sheave grooves.
- Assure equal load distribution.
- Power Ace® Cog Combos are ideal for use on vertical shaft drives.
- Meets RMA standards for oil and heat resistance and static conductivity.



## **Power Max®**

Because Power Max® belts are wide in proportion to their thickness, they must have extreme crosswise rigidity to keep them from dishing in. This dishing would cause the tensile cords to become misaligned, leading to uneven speed control and excessive wear on the cords, causing premature failure.



- Power Max® belts provide lengthwise flexibility to bend around small sheave diameters without excess strain that would shorten belt life.
- Tough polyester cords won't fatigue, even with repeated shock loads. Cords are specially treated to resist stretch and carry high horsepower loads.
- Transversely aligned fiber reinforcement in the belt cogs assures crosswise rigidity and flexibility to reduce heat build up and minimize cracking.
- Meets RMA standards for oil and heat resistance and static conductivity.

## **Rib Ace®**

BANDO's Rib Ace® is an ultra thin, extremely flexible belt with the versatility to handle heavy, high speed industrial applications like machine tools, as well as light duty, slower applications such as exercise equipment.



- Able to utilize very small sheaves, allowing for speed ratios up to 40 to 1.
- Smooth, vibration-free performance ideally suited for consumer goods applications like clothes dryers.
- Rib Ace® belts can be used in serpentine drive configurations with small backside idlers, making for compact design.
- Rib Ace® belts improve performance on 1/8 turn, 1/4 turn and mule drives.



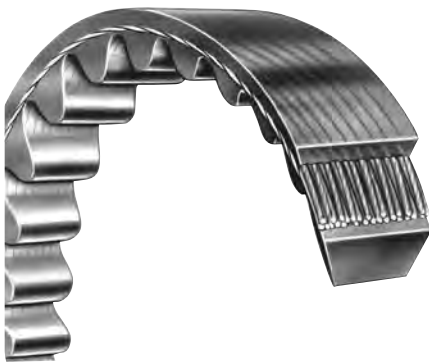
## Double V



Serpentine drives with one or more reverse bends which require power to be transmitted from both sides of the belt can put extra stress on belt components. BANDO's Double V dual-direction flexibility assures long life - as much as 40% more than traditional Double V-belts.

- Ideally suited to handle tough applications such as agricultural, textile and printing machinery.
- High strength polyester tensile cords provide superior length stability and fatigue resistance. Cords are bonded together chemically to the body of the belt to prevent separation and to assure long service life.
- The upper and lower sections of the belt are compounded for extra flexibility to allow the belt to bend easily in both directions.
- Designed for low heat build up to extend belt life.
- Meets RMA standards for oil and heat resistance and static conductivity.

## Duraflex GL<sup>®</sup> Cog



Duraflex GL<sup>®</sup> combines cogged construction with polyurethane material to provide a belt supremely suited for light duty 2L fractional horsepower drives. Clean room environments, food processing and textile machinery all benefit from the elimination of "black dust" common to conventional FHP belts.

- Polyurethane construction is ten times more oil resistant than rubber and provides super clean operation. It won't absorb lubricants and swell like rubber belts.
- Strong polyester tensile cords are placed with extreme accuracy to distribute horsepower loads uniformly for long belt life. Specially treated cords assure no-stretch, no-wobble performance even in high speed, severe shock load applications.
- Duraflex GL<sup>®</sup> Cog available only in 2L cross section.



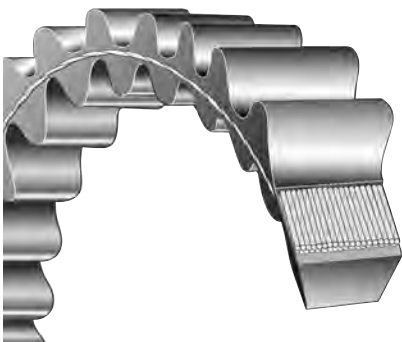
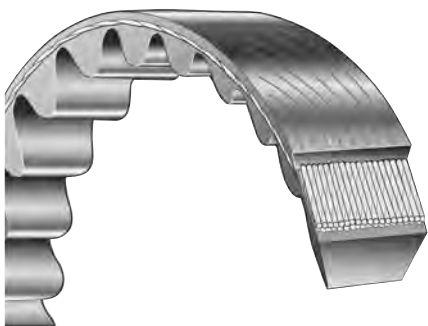
## **Duraflex GL®**



Duraflex GL® V-belts are specifically designed for shorter center distance, high speed fractional horsepower drives. Common applications include HVAC equipment and appliances.

- Oil, heat and ozone resistant bias cut, rubber impregnated fabric cover protects inner components for long life.
- High strength polyester tensile cords provide maximum fatigue and stretch resistance. The cords are positioned, supported and protected by the insulation section for uniform load distribution.
- The special rubber compound in the body of the belt is formulated to flex around small sheaves and dissipate heat build up to extend belt life.
- Meets RMA standards for oil and heat resistance and static conductivity.

## **Duraflex® VC (Cogged) and DC (Double Cog)**



Duraflex® VC and DC are the most precise V-belts available. Because of their superior dimensional stability, Duraflex® VC and DC have half the center-to-center distance variation of conventional belts. This stability and exceptionally high coefficient of friction add up to minimal slippage. The polyurethane construction eliminates the black dust problem common in conventional belts.

- The polyurethane body is more stable, flexible and the non-conductive compound is highly resistant to lubricants with a minimal volume increase.
- Exclusive BANDO TETRON® cords are positioned with exact spacing to insure tensile strength and dimensional stability in high speed shock load applications.
- Cogged design provides maximum flexibility without sacrificing either strength or performance. Double cog construction allows you to scale down pulley size requirements. Cogs allow efficient operation in pulleys as small as 0.6" OD with virtually no slippage or heat build up.



## Ultrapower AG™ KC\*



Ultrapower AG™ KC is constructed specifically for those drives where a clutching function is essential to successful operation. Compounded to provide maximum durability during the clutching phase of operation, the KC's envelope, aramid fiber tension members and low profile design provide extended service life and superior flexibility to handle idler and reverse bend drive configurations typical of many power equipment applications.

- BANDO's KC envelope is designed specifically to handle the wear and tear of clutching applications. Bias cut, cross woven fabric is oil and heat resistant.
- Aramid fiber tensile cords transmit up to 20% more horsepower than traditional polyester construction. High modulus cords placed just above the neutral axis resist elongation, reducing or eliminating re-tensioning or expensive take-up mechanisms.
- The body of the KC is formulated to reduce heat buildup for a cooler running, longer lasting belt. The *BANPRENE*® compound balances firmness with flexibility to maintain cross sectional uniformity.

\*Where clutching is not a requirement, select the Ultrapower AG™ K construction which has the same internal components as the KC design, only with a rubber impregnated fabric cover.

## Metric V-Belts



In addition to belts manufactured to RMA (Rubber Manufacturers Association) standards, BANDO produces belts to European standard DIN 7753 and ISO4184. These standards are based on the metric system of measure and have different cross section designations. The Narrow Wedge profile allows for higher speed ratios, shorter center distances and more compact drives. They are direct replacements for belts on imported machinery and on domestic equipment for export.

- Oil and heat resistant bias cut envelope protects the belt's inner components against dirt, oil and heat. The bias cut *BANPRENE*® impregnated fabric provides lateral stability while permitting axial flexibility for operating around small pulley diameters.
- High density polyester tension members treated for fatigue and elongation resistance minimize maintenance costs.
- *BANPRENE*® compression section maintains tension member cross section uniformity while remaining flexible enough to reduce heat build up - one of the primary causes of premature belt failure.



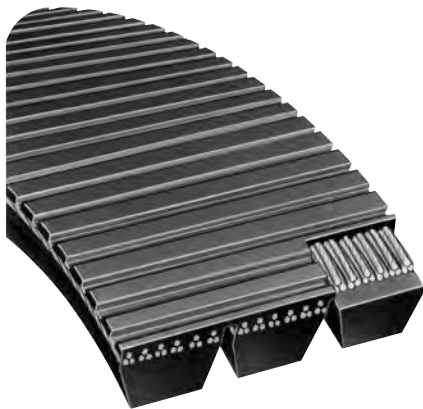
## BanFlex®



The small cross section of the BanFlex® belts makes them the preferred choice where short center distances and small diameter sheaves are required on compact equipment designs. The 60° sidewall angle and precision molded, seamless construction allows for precise belt-to-sheave meshing in high speed applications up to 10,000 RPM.

- Precision cast, seamless polyurethane body for maximum power transmission capability at high speeds.
- Polyester tensile member is treated to insure length stability and insure superior resistance to fatigue.
- Polyurethane ribs dissipate heat and assure lateral rigidity while providing longitudinal flexibility.

## BanFlex® Combo



Ideally suited for short center distances and small diameter pulleys, BanFlex® Combos' banded construction minimizes or eliminates the turnover problem normally associated with small cross section belts. The ribbed construction provides superior flexibility while maintaining lateral stability.

- Precision molded, seamless polyurethane ribs provide maximum resistance to oil and traditional lubricants with virtually vibration free operation.
- Treated polyester tensile cords resist fatigue and stretch as well as providing exceptional length stability and drive uniformity.
- Polyamid tie band prevents belt whip under impulse loads.
- Polyurethane ribs on the back of the belt provide rigidity across the width of the belt and dissipate heat, leading to longer belt life.

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