

**Thermoid®**



**THERMOID SELECT®  
HIGH PERFORMANCE  
INDUSTRIAL V-BELTS**

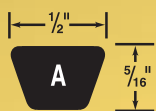
[www.thermoid.com](http://www.thermoid.com) | 800.543.8070

# ThermoidSelect™

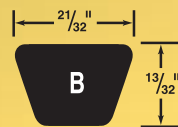
## CLASSICAL

**Thermoid Select™** Classical is a heavy duty industrial V-belt. It is available in A, B, C and D cross sections. This one versatile belt can power virtually every drive in your plant. Thermoid Select Classical belts are resistant to oil and heat and are static conductive.\* These belts are manufactured and produced to tight tolerances, ensuring match-ability.

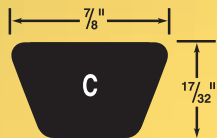
\* For an explanation of static conductivity and conditions, refer to Thermoid's Installation and Maintenance Catalog.



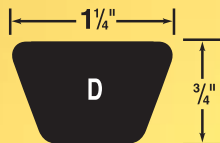
1/2" Wide x 5/16" Thick



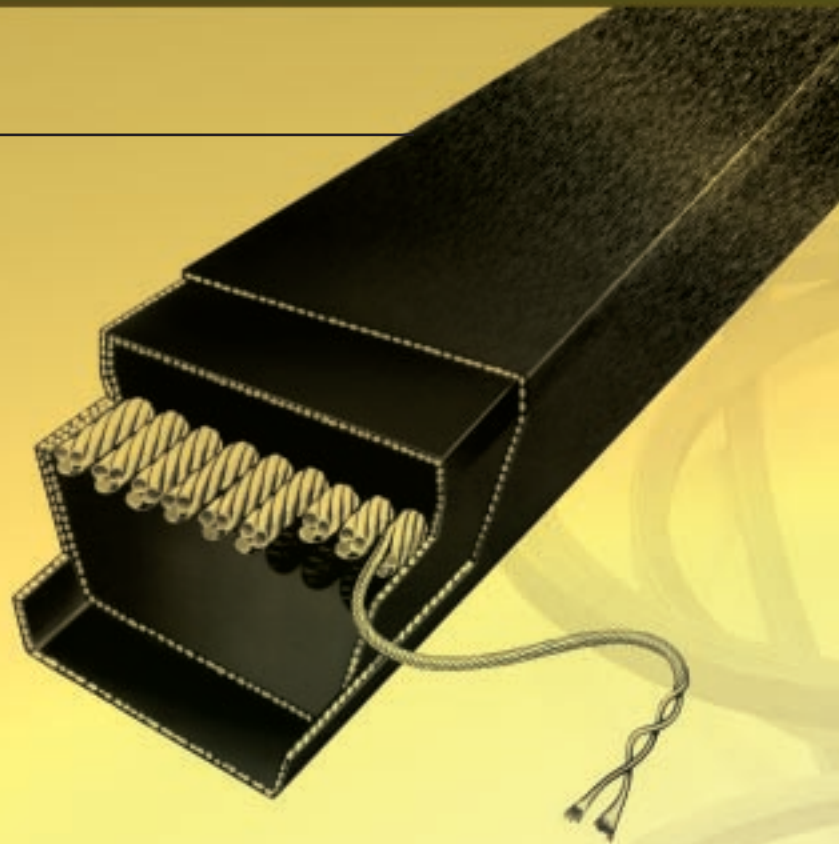
21/32" Wide x 13/32" Thick



7/8" Wide x 17/32" Thick



1-1/4" Wide x 3/4" Thick



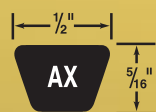
# ThermoidSelect™

## CLASSICAL COGGED

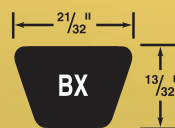
**Thermoid Select Classical Cogged belts** – AX, BX and CX – have a precision cogged profile designed for uniform stress distribution and excellent heat dissipation. Their construction permits greater flexibility and a higher horsepower capacity for exceptional performance on small diameter sheaves using A, B and C section drives. The aggressive construction is specially designed to fit the sheave grooves exactly, which allows maximum wedging action.

The belts are built with tough polyester tensile members to resist fatigue and shock loads. The cord and neoprene rubber are bonded to prevent separation, and reinforcement layers on both sides of the tensile member improve cord stability. All belts are resistant to oil and heat resistant and are static conductive.\*

\* For an explanation of static conductivity and conditions, refer to Thermoid's Installation and Maintenance Catalog.



1/2" Wide x 5/16" Thick



21/32" Wide x 13/32" Thick



7/8" Wide x 17/32" Thick





## HBD/Thermoid®, Inc.

Our name is widely known and respected as a top-quality manufacturer of industrial rubber products, including air, automotive, aviation, bulk transfer, chemical, hand-built, marine, water, welding and multipurpose industrial hose. HBD/Thermoid, Inc. also produces a variety of other products such as industrial ducting, power transmission belts, conveyor belting, coated rubber fabrics, industrial rubber bands, rubber budding strips and rubber roll coverings. HBD/Thermoid, Inc. has always provided its customers with application engineered products that are technologically advanced in a personalized, customer-friendly manner.

Most Thermoid® brand products, some of which have a 130-year-old legacy of excellence behind them, are produced at one or more of HBD/Thermoid, Inc.'s five manufacturing plants: Bellefontaine, OH; Chanute, KS; Elgin, SC; Oneida, TN and/or Salisbury, NC. However, some of our products are manufactured by our overseas business licensees, using our guidelines for manufacturing, quality and product designs. Thermoid brand products are used by thousands of industrial customers and consumers around the world. Agricultural, aviation, automotive, basic manufacturing, construction, graphics, food processing, mining, petroleum, railroads, robotics, steel production, transportation and textile manufacturing are just a few of the many markets our products serve.

HBD/Thermoid, Inc. products are available world-wide through a select group of industrial distributors supplying the MRO requirements of customers serving the manufacturing, construction, agricultural, processing, mining, forestry, mineral exploration, transportation, repair, recreation and consumer markets. Additionally, our product stocking warehouses are conveniently located to provide for timely delivery of any type of hose, belt, conveyor belting, ducting, rubber band or any other HBD/Thermoid, Inc. products that you or your customers may need.

HBD/Thermoid, Inc. is a subsidiary of HBD Industries, Inc. HBD manufactures quality, application-engineered custom designed and standard industrial products serving many diverse industries and markets. Products manufactured by HBD Industries, Inc. include: AC/DC/BLDC electric motors, budding strips, cemented tungsten carbide parts, closed die forgings, coated rubber fabrics, conveyor belting, drives, ducting, gear reducers, hose (automotive, aviation, hand-built, industrial, marine and petroleum), material handling products (metal separators/detectors and electromagnetic lifting equipment), power transmission belts, rubber bands, rubber roll coverings and ventilation equipment (fans and blowers). For complete details on all the products available from HBD Industries, Inc., visit our website at [www.hbdindustries.com](http://www.hbdindustries.com).

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**HBD/Thermoid, Inc.**

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# ThermoidSelect™

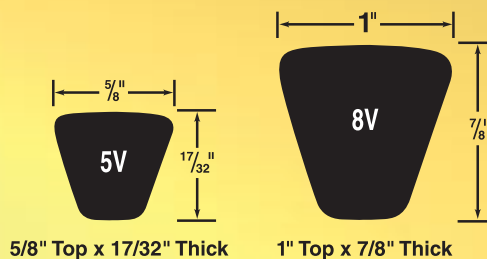
## WEDGE

Thermoid has gone beyond the ordinary to provide you with an economical belt. The deep V-design of the **Thermoid Select™** Wedge belt enables a smaller belt to carry a bigger load. It can operate at higher speeds of up to 6,500 feet per minute.

Belt width and groove spacing are narrower and that reduces sheave face width 30% to 50%. Decreased sheave width means less shaft overhang, which in turn places a lighter load on bearings and increases bearing life. As belt drive systems are designed or redesigned, consider Thermoid Select Wedge belts – belts that will do the job more economically and require less space. Thermoid Select Wedge belts are resistant to oil and heat and are static conductive.\*

\* For an explanation of static conductivity and conditions, refer to Thermoid's Installation and Maintenance Catalog.

- ✓ Wedge-type, multiple drive belt
- ✓ Deep V-design
- ✓ Speeds up to 6,500 feet-per-minute
- ✓ Width and groove spacing are narrower



# ThermoidSelect™

## WEDGE COGGED

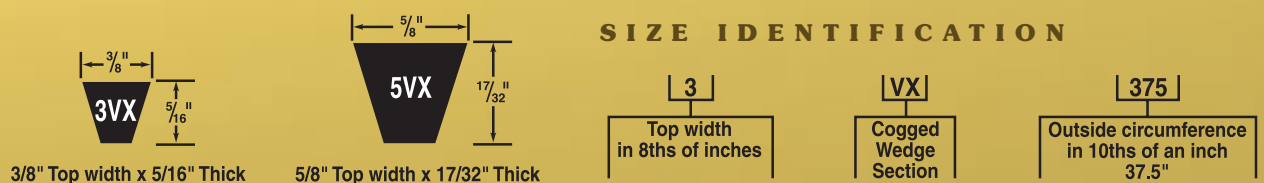
- ✓ Ideal for tight size or weight critical applications
- ✓ Use with small sheave sizes, down to 2.2 inch diameter
- ✓ Allows for higher speed motors and improved energy efficiency
- ✓ Reduces and improves heat dissipation
- ✓ Distributes bending stress uniformly

**Thermoid Select** Wedge Cogged belts are ideal for situations where weight or sheave size is restricted. In applications where increased horsepower is required, Thermoid Select Wedge Cogged belts – used with sheaves as small as 2.2" in diameter – provide higher horsepower in a given space when compared to classical belts. This lets you utilize high speed motors, which, according to the National Electrical Manufacturers Association, can mean a 10% increase in energy efficiency.

The unique notched construction distributes bending stress uniformly as well as providing superior heat dissipation. In most installations, smaller diameter sheaves can be used, permitting shorter center distances. Thermoid Select Wedge Cogged belts are raw edge construction and are cut to the precise dimensions to fit the sheave groove. The result is maximum wedging action and a reduced chance of slippage.

Tensile members are engineered to resist fatigue and shock loads. Cord and rubber are specially bonded to prevent separation. Reinforcement layers on both sides of the tensile member help improve cord stability. Thermoid Select Wedge Cogged belts have excellent resistance to heat, oil and ozone, and are static conductive.\*

\* For an explanation of static conductivity and conditions, refer to Thermoid's Installation and Maintenance Catalog.



The logo for Thermoid Select, with "Thermoid" in red and "Select" in white, followed by a trademark symbol. The background of the top half of the page is green with a close-up image of a cogged belt.

# Thermoid Select™

... IS A PERFECT FIT!

- S...Select Better Quality-Made Belts
- E...Excellent Performance from Every Belt Style
- L...Longer Service Than Comparable Imports
- E...Easy To Order
- C...Competitive Prices
- T...Timely Delivery...Where and When You Need Them

When you chose any **Thermoid Select™** belt, you've made a smart choice. All of our Select belt products have been designed and built to provide solid, long-term performance under most service conditions.

With a wide range of Thermoid Select belt products to choose from, you can be sure there's a belt size to meet your specific need. Thermoid Select offers four of the most popular belt styles including: Classical, Classical Cogged, Wedge and Wedge Cogged. Every belt in each profile has been designed and built to provide you outstanding performance and long-term service. Competitively priced, Thermoid Select belts are built tough to withstand shock and reduce fatigue.

Full details on each Thermoid Select belt style and pricing are outlined in this folder and on the Thermoid Select pricing form included in this folder. Details for each Thermoid Select belt style feature complete product descriptions, belt dimensions, construction and product/part reference numbers.

**HBD/Thermoid, Inc.** has a long and established history of producing quality belt products. Using our years of belt manufacturing, technical and design know-how, along with our production expertise, HBD/Thermoid, Inc. has teamed up with an over-seas manufacturing licensee to produce the Thermoid Select belt line. Thermoid Select belts are quality-made, built to meet our specifications and give excellent service. At the same time, Thermoid Select belts are available to you and your customers at a very competitive price when compared to other imported belts. With Thermoid Select, you can have excellent, quality-made belts that provide solid performance at a price that you will like.



## **HBD/Thermoid, Inc.**

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