



5319 Wax Ribbon

High-Speed Clarity for Versatile Barcode Printing

The Zebra 5319 Wax Ribbon is a performance-driven thermal transfer ribbon featuring a custom wax ink formulation designed for exceptional barcode printing. It delivers high-quality normal and rotated barcodes on both coated and uncoated paper, with impressive print speeds of up to 8 inches per second. This ribbon ensures crisp, black images that maintain clarity even at high speeds, while offering outstanding scannability under both visible light and infrared conditions. Ideal for various applications, the Zebra 5319 Wax Ribbon combines speed, quality, and reliability for effective barcode printing solutions.



Cost-effective supplies

Zebra is the largest purchaser of ribbons globally and we use this buying power to offer competitive pricing across our range. Our zero substitutions policy means you receive the same ribbon formulation every time you order – for consistent and reliable print quality and durability. Plus, a minimum order of just one box ensures that Zebra Certified Supplies are always cost-effective.

Wax Ribbons

Work well for most applications. Ideal for use:

- With paper materials
- Where fast print speeds are required (up to 10ips)
- In environments with little to no exposure to chemicals and/or abrasion

Comprehensive choice

Every year, Zebra supplies many million square meters of ribbon to Europe, Middle East and Africa, and the Americas. Comprehensive product choice means you'll always be able to find the right printer ribbon for your specific requirements. We hold around 140 different ribbon items for Zebra printers in stock – all available for immediate delivery via ZipShip, our dedicated stocked supplies solution.

The perfect companion for your Zebra labels, tags and printer

Not all thermal ribbons are created equal. There are hundreds of different ribbon formulations in the market. That is why Zebra's Supplies R&D Team has tested and selected only those ribbons that deliver the best print quality and durability. To get the Zebra name, each ribbon must pass a series of print quality and durability tests.

When you purchase Zebra thermal ribbons you can rest assured that the:

- Print will be readable and scannable every time.
- Print will withstand the environment in which it will be used in.
- Backcoating will not cause premature printhead failure.

5319 Wax Ribbon—A performance-driven thermal transfer ribbon

For more information, please visit www.zebra.com/ribbons

Specifications

Technical Specifications	
Color	Black
Ink Formulation	Wax
Base Film	Polyester
Base Film Caliper	4.5 microns
Total Caliper	8.7 microns +/- 10%
Scanning Capabilities	IR and Visible Light
Product Performance and Suitability	
Recommended storage conditions (before use)	72° F (22° C) at 50% RH
Expected Shelf Life	1 Year
Sample Part Number	Black: 05319BK08305 Red: 05319RD08305
UL/cUL Certified Materials with this Ribbon	
Z-Xtreme 4000T White & Silver Z-Xtreme 4000T High-Tack White & Silver	
Ribbon Compliance	
REACH / SVHC 1907/2006/EC EU Food Contact 1935/2004/EC US Food Contact FDA RoHS / Heavy Metals 2011/65/EU California Proposition 65 Halogens IEC 61249-2-21:2003	
Stocked Sizes Available for Zebra Printers	
Essential-range, Mid-range and high-performance thermal printers, other legacy Zebra printers. Other widths/lengths are available on request subject to minimum order quantities and lead times	
Material Testing in End Application	
The information contained in this document is to be used for guidance only and is not intended for use in setting specifications. All purchasers of Zebra products shall be solely responsible for independently determining if the product conforms to all requirements of their unique application. All products should be pre-tested to ensure they meet all intended requirements of specific end-use applications.	

Markets and Applications

- General purpose, high-density bar code and text printing on paper label stocks
- Printing on Tyvek**
- Quality thermal transfer printing at speeds up to 8" per second
- Recommended for printing rotated (ladder) bar codes, high resolution graphics and fine text characters

* Tyvek® is a registered trademark of E.I. DuPont Corporation