# BRADY®

PRODUCT, WIRE, CABLE & INDUSTRIAL
# IDENTIFICATION

## BradyID.com

High-performance
labeling solutions
for the harshest
environments

**new**

BRADY360
**5 YEAR WARRANTY**

## ▶ i5100 At-A-Glance

- Product, wire and cable ID materials
- Prints labels as small as 0.20 in.
- Prints up to 5,000 label/day
- Single color printing
- Reduced setup time and waste

## ▶ i5100 Supplies

**Change print settings with ease**

*Intuitive touchscreen control panel features colorful icons, buttons and sliders so you can navigate, change printer settings and understand the printer status with ease.*

# BradyPrinter i5100
## INDUSTRIAL LABEL PRINTER

## The perfect mix of performance and smarts

When you're looking for a printer with the fundamental printing capabilities for the work you need to get done every day, look no further than the BradyPrinter i5100 industrial label printer. You'll get the perfect combination of high-volume performance and smart printing technology to make high-mix printing easier throughout your facility.

### The i5100 makes printing easier with:

**Simple setting changes:** The intuitive touchscreen allows you to quickly and easily change settings on your printer.

**Full-performance printing:** This printer provides all the essential features you need for high-performance printing.

**Intelligent printing:** Take the guesswork out of material changeovers and set up with materials and software that communicate with the printer so you can get back to work faster.

**Smart loading design:** Changing out materials is easier than ever with the specially designed ribbon spindles, guides and roll holders that lock into place without any clumsy extra steps.

**Hardware options:** You'll get a variety of connection ports to stay connected any way you need to and you'll get interchangeable rollers to optimize printing on a variety of material widths.

### i5100 Printer

| Catalog # | Description |
|-----------|-------------|
| 149452 | i5100 printer, standard 300 dpi version, BWS Product Wire ID Software Suite |
| 149455 | i5100 printer, standard 600 dpi version, BWS Product Wire ID Software Suite |
| 149453 | i5100 printer, auto cutter 300 dpi version, BWS Product Wire ID Software Suite |
| 149456 | i5100 printer, auto cutter 600 dpi version, BWS Product Wire ID Software Suite |

*\* Printer ships with 1 RFID-enabled media roll holder, 1 ribbon takeup core, power cord, USB cable, user license for Brady Workstation Product Wire ID Software suite and CD that contains drivers, user manual in 24 languages and configuration manual.*

### i5100 Accessories

| Catalog # | Description | Catalog # | Description |
|-----------|-------------|-----------|-------------|
| 149470 | Spare i5100 media roll holder | 149471 | Print roller 120 mm |
| 149562 | Spare i5100 ribbon takeup spindle | 149598 | Print roller 80 mm |
| 149131 | USB with LAN stick | 149473 | Print roller 50 mm |
| 149080 | USB bluetooth adapter | 149472 | Print roller 25 mm |
| 149563 | RS232 cable | PCK-6 | IPA printer cleaning swabs |



Learn more at:
**BradyID.com/i5100**

## The right material from the right company



**Product ID and production lines**



**Wire and cable markers**



**Logistics, industrial and asset ID**



**Electronics and PC boards**



**Laboratory ID**



**Arc flash labels**

Benchtop Printers

i5100

**BRADY®** WHEN PERFORMANCE MATTERS MOST™

| BradyPrinter i5100 Specifications | |
|---|---|
| **Typical throughput & operational hours** | 5000 labels/day<br>8 hrs/5 days* |
| **Print method and color capabilities** | Thermal Transfer and Direct Thermal; Monocolor |
| **Print resolution** | 300 or 600 dpi |
| **Print width (max cross-web)** | 4.160 in. |
| **Media width (cross-web w/ liner)** | 0.24 in. to 3.35 in. (continuous sleeves)<br>0.36 in. to 4.49 in. (other materials) |
| **Label length (down-web)** | 0.20 in. minimum (w/no backfeed)** |
| **Auto cut-off** | Optional printer model |
| **PC connect or standalone operation** | PC Connect,<br>Standalone (connect scanner or keyboard for basic data entry) |
| **Ribbon and material installation** | **Labels:** Loose roll, "thread-thru" required<br>**Ribbon:** Loose roll, "thread-thru" required |
| **Calibration required** | Yes |
| **Label creation and set-up** | Semi-automatic (select label part from software and label sets up) |
| **Interfaces and connections** | Standard: Two USB, One USB 2.0 (for PC), Ethernet 10/100 BASE-T, RS232C, SD Card Slot |
| **Label creation software** | Brady Workstation (free download)<br>Brady Labelmark™ Software (v6.6.1 or higher), Windows® driver |
| **Specialty Material Recommendations** | |
| **B-593 Raised panel material** | Acceptable |
| **Nomex® tags** | No |
| **B-330 Polyolefin heat-shrink wrap** | No |
| **PermaSleeve PS and HT** | Yes (125 size and larger) |
| **PermaSleeve LSZH** | No |
| **PermaSleeve HX** | No |
| **Double-sided PermaSleeve** | No |
| **Continuous PermaSleeve** | Yes (125 size and larger, externally fed) |
| **Outdoor safety and facility labels** | No |
| **White print ribbon** | No |

*\* Estimates for comparative purposes only. Actual throughput affected by multple factors including label size, materials, print speed and label content.*

*\*\*User should test to the application. Small label performance is affected by multiple factors including print speed, qty in print run, heat setting and the size/ layout of the printed elements.*

*Windows® is a registered trademark of Microsoft. Nomex® is a registered trademark of DuPont.*

**new**

## Brady Workstation Apps

Brady has revolutionized its label creation software by now offering apps specific to your projects.

Once the free Brady Workstation is installed on your PC, you can then download a variety of free or paid labeling apps, including Custom Designer, Advanced Import, Advanced Sequence, Arc Flash Labels, Template Editor and more.

**Included software:**
### Product and Wire Identification Suite
**13 apps designed for product and wire marking**

When you need to create product identification and wire marking labels, the Product and Wire Identification Suite is your go-to solution. It allows you to create basic text labels or labels with graphics and custom formatting, and serialize and import data.

*Apps included: Custom Designer, Text Labels, Excel Import, Advanced Import, Sequence, Advanced Sequence, Flip Flop, Template Editor, Batch Print, Label Settings, Print Partner, Manage Files and Network Printers.*

**For more information on all Brady Workstation apps, view page 244.**

### ▶ Download at Workstation.BradyID.com

1. Download Brady Workstation at **workstation. bradyid.com**

2. Fill your workstation with individual apps or an entire suite.

3. Save time by quickly designing labels and printing to your printer.

## Reduce print head wear with variable roller widths

By using print rollers that are similar in width as your label material, you'll help reduce wear on the print head.

## Brady360® 5–Year Warranty
**We have you covered.**

BRADY360®
**5 YEAR WARRANTY**

We always stand behind our products to make sure they deliver an unrivaled customer experience. We've strengthened our commitment to you with a **5-year printer warranty standard and free of charge** on our benchtop printer models.* With a team of 30 certified tech support and repair technicians backing up the warranty, you can rest assured you'll have the support you need—every step of the way.

**Free 5-year warranty standard on Benchtop models* covers:**
• Repair parts and labor
• One print head replacement
• Free loaner printer during repairs
• Free return shipping after repair
• Free Brady360® stress-free printer setup session
• Free lifetime technical support via phone and email
• Free lifetime firmware upgrades
• One free Brady360® preventative maintenance service

**Access to additional fee-based support:**
• On-site repair service
• On-site custom set-up and training
• Additional print head coverage (after the first free replacement)
• Advanced custom integration, programming support and template creation

*\*Excludes repairs due to negligence. Excludes Wraptor™, BradyJet J5000 and handheld models. See BradyID.com for full coverage details and restrictions.*

**Benchtop Printers**

**i5100**

**new**

# BradyPrinter i7100
## INDUSTRIAL LABEL PRINTER

### Heavy duty meets high tech.

Get the job done with the BradyPrinter i7100 label printer. No matter the demands of your labeling jobs—from higher volumes to precise printing and more—this reliable, heavy-duty and high-accuracy label printer gets it all done.

### The i7100 offers unparalleled benefits, including:

- **Material choice.** Print on the widest range of materials with confidence, including difficult-to-print materials, like heat-shrink sleeves, thick cable tags, push button materials, high-temperature electronics labels and even basic materials.

- **Precision printing.** Ultra-sharp, high-accuracy printing and center alignment allows you to print reliably on labels as small as 0.125".

- **Workhorse performance.** Designed to print thousands of labels per day, every day, this printer features a high-speed processor, solid cast frame, durable components and a variety of connectivity ports.

- **Ease of operation.** Adjust printer settings quickly and easily with an ultra-intuitive color touchscreen. To make material loading and adjustments easier, there are bright-green touchpoints inside the machine.

- **Speed to label.** With print speeds up to 11.8 inches per second, the i7100 prints labels in no time. Additionally, the "peel" configured printer saves you time by automatically peeling labels from the liner.

**BRADY360° 5 YEAR WARRANTY**

### ▶ i7100 At-A-Glance

- Widest range of materials for product, wire and cable ID
- Ultra-sharp print on labels as small as 0.125"
- Prints up to 7,000 labels per day
- Prints up to 11.8" per second

### ▶ i7100 Printer Supplies

3" open core label rolls ..............page 150
Print ribbons...................................page 146

### i7100 Printer

| Catalog # | Description |
|---|---|
| 149050 | i7100 printer standard 300 dpi, BWS Product Wire ID Software Suite |
| 149056 | i7100 printer standard 600 dpi, BWS Product Wire ID Software Suite |
| 149045 | i7100 printer PEEL model 300 dpi, BWS Product Wire ID Software Suite |
| 149053 | i7100 printer PEEL model 600 dpi, BWS Product Wire ID Software Suite |

*\* Printer ships with 2 ribbon takeup cores (1" dia), Brady Workstation Product Wire ID Software Suite, owners manual (English), power cord (U.S. type B plug), product CD w/driver, config/settings manual, owners manual in other languages and USB cable.*

### Change print settings with ease

*Intuitive touchscreen control panel features colorful icons, buttons and sliders so you can navigate, change printer settings and understand the printer status with ease.*

### i7100 Accessories

| Catalog # | Description | Catalog # | Description |
|---|---|---|---|
| 149044 | Print Roller Silicone 120 mm | 149075 | Present Sensor PS900 |
| 149043 | Print Roller 120 mm | 149135 | Extended Peel-off Plate |
| 149054 | Print Roller 80 mm | 149074 | Rewind Guide Plate |
| 149055 | Print Roller 50 mm | 149207 | Tear Bar Plate |
| 149048 | Print Roller 25 mm | 149132 | Roll Adapter 100 (for 4" cores) |
| 149051 | Replacement Rewind Assist Roller | 149077 | I/O Interface |
| PCK-6 | IPA Printer Cleaning Swabs | 149073 | I/O Interface SUB-D 25 pin |
| 149208 | Hex Key Tool (spare) | 149071 | Label Selection I/O Box |
| 149069 | Auto Cutter CU400 with Tray | 149131 | USB WLAN Stick |
| 149078 | Perf Cutter PCU400 | 149070 | Antistatic Brush (spare) |

## The heavy-duty printer that's always ready to perform.



**Rating plate labels**

**Wire and cable labels**

**Raised panel labels**

**PermaSleeve® wire markers**

**Electronics labels**

**...and more!**

**BRADY** WHEN PERFORMANCE MATTERS MOST™

| BradyPrinter i7100 Specifications | |
|---|---|
| Typical throughput & operational hours | 7000 labels / day<br>24 hrs / 7 days* |
| Print method and color capabilities | Thermal Transfer and Direct Thermal; Monochrome |
| Print resolution | 300 or 600 dpi |
| Print width (max cross-web) | 4.160 in. |
| Media width (cross-web w/ liner) | 0.157 in. to 3.35 in. (continuous sleeves)<br>0.36 in. to 4.49 in. (other materials) |
| Label length (down-web) | 0.125 in. minimum** |
| Auto cut-off | Optional |
| PC connect or standalone operation | PC Connect,<br>I/O Interface Control,<br>Standalone (connect scanner or keyboard for basic data entry) |
| Ribbon and material installation | **Labels:** Loose roll, "thread-thru" required<br>**Ribbon:** Loose roll, "thread-thru" required |
| Calibration required | Yes |
| Label creation and set-up | Semi-automatic (select label part from software and label sets up) |
| Interfaces and connections | Standard: Four USB, One USB 2.0 (for PC), Ethernet 10/100 BASE-T, RS232C, SD Card Slot, I/O port |
| Label creation software | Brady Workstation (free download)<br>Brady Labelmark™ Software (v6.5.0.9 or higher), Windows® driver |
| **Specialty Material Recommendations** | |
| B-593 Raised panel material | Yes (recommended) |
| Nomex® tags | Acceptable (min. 10pt font) |
| B-330 Polyolefin heat-shrink wrap | Yes (recommended) |
| PermaSleeve PS and HT | Yes (recommended) |
| PermaSleeve LSZH | Yes (recommended) |
| PermaSleeve HX | Yes (recommended) |
| Double-sided PermaSleeve | Not recommended |
| Continuous PermaSleeve | Yes (recommended) |
| Outdoor safety and facility labels | No |
| White print ribbon | Yes |

*\* Estimates for comparative purposes only. Actual throughput affected by multple factors including label size, materials, print speed and label content.*

*\*\*User should test to the application. Small label performance is affected by multiple factors including print speed, qty in print run, heat setting and the size/layout of the printed elements.*

*Windows® is a registered trademark of Microsoft. Nomex® is a registered trademark of DuPont.*

### Reduce print head wear with variable roller widths

By using print rollers that are similar in width as your label material, you'll help reduce wear on the print head.

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*Apps included: Custom Designer, Text Labels, Excel Import, Advanced Import, Sequence, Advanced Sequence, Flip Flop, Template Editor, Batch Print, Label Settings, Print Partner, Manage Files and Network Printers.*

**For more information on all Brady Workstation apps, view page 244.**

### ▶ Download at Workstation.BradyID.com

1. Download Brady Workstation at **workstation. bradyid.com**

2. Fill your workstation with individual apps or an entire suite.

3. Save time by quickly designing labels and printing to your printer.

## Brady360® 5-Year Warranty
### We have you covered.

We always stand behind our products to make sure they deliver an unrivaled customer experience. We've strengthened our commitment to you with a **5-year printer warranty standard and free of charge** on our benchtop printer models.* With a team of 30 certified tech support and repair technicians backing up the warranty, you can rest assured you'll have the support you need—every step of the way.

**Free 5-year warranty standard on Benchtop models\* covers:**
- Repair parts and labor
- One print head replacement
- Free loaner printer during repairs
- Free return shipping after repair
- Free Brady360® stress-free printer setup session
- Free lifetime technical support via phone and email
- Free lifetime firmware upgrades
- One free Brady360® preventative maintenance service

**Access to additional fee-based support:**
- On-site repair service
- On-site custom set-up and training
- Additional print head coverage (after the first free replacement)
- Advanced custom integration, programming support and template creation

*\*Excludes repairs due to negligence. Excludes Wraptor™, BradyJet J5000 and handheld models. See BradyID.com for full coverage details and restrictions.*

**Benchtop Printers**

**i7100**

**5 YEAR WARRANTY** BRADY360°

## BBP®72
### DOUBLE SIDED PRINTER

### Sleeves in half the time

**Print accurate, double-sided heat-shrink sleeves for wire and cable identification.**

The BBP®72 double-sided sleeve printer is designed to print on both the top and bottom of the sleeve simultaneously, creating double-sided sleeves in a seamless one-pass operation without the time-consuming, tedious process of re-winding and re-printing the sleeves.

- Double-sided printing with one-pass operation
- Ideal for large print run quantities
- Automatic printing and formatting for reducing label errors
- Less sleeve waste due to incorrect set-up and misalignment
- Crisp, clear thermal transfer printing with 300 dpi resolution
- Prints on a variety of heat-shrink sleeves including PermaSleeve® PS, HX, HT and ZH wire marking sleeves
- Durable, fade-resistant and smudge-proof sleeves
- Higher print head heat settings for optimum print quality
- Rugged design with metal cover protects the printer and materials

### ▶ BBP72 At-A-Glance

- Double-sided permasleeve printing in one-pass
- Crisp, clear printing with 300 dpi print resolution
- Prints up to 7,000 labels per day

### ▶ BBP72 Supplies

| Catalog # | Description |
|-----------|-------------|
| BBP72-34L | BBP72 double sided printer and labelmark software |
| 64692 | Print head cleaning pen |



**Double-sided sleeve printing in one-pass**



*PermaSleeve rolls found on page 196.*

**BRADY®** *WHEN PERFORMANCE MATTERS MOST™*

| BBP®72 Double Sided Printer Specifications | |
|---|---|
| Typical throughput & operational hours | 7000+ labels /day 24 hrs / 7 days* |
| Print method and color capabilities | Thermal Transfer; Monochrome |
| Print resolution | 300 dpi |
| Print width (max cross-web) | 4.160 in. |
| Media width (cross-web w/ liner) | N/A |
| Label length (down-web) | 0.182 in. minimum** |
| Auto cut-off | No |
| PC connect or standalone operation | PC Connect |
| Ribbon and material installation | **Labels:** Loose roll, "thread-thru" required **Ribbon:** Loose roll, "thread-thru" required |
| Calibration required | Yes |
| Label creation and set-up | Semi-automatic (select label part from software and label sets up) |
| Interfaces and connections | Standard: Two USB, USB 2.0 (for PC), Ethernet 10/100, |
| Label creation software | Brady Workstation (free download) Brady Labelmark™ Software Codesoft™ Software, Windows® driver |
| **Specialty Material Recommendations** | |
| B-593 Raised panel material | No |
| Nomex® tags | No |
| B-330 Polyolefin heat-shrink wrap | No |
| PermaSleeve PS and HT | Yes (double-sided format only) |
| PermaSleeve LSZH | Yes (double-sided format only) |
| PermaSleeve HX | Yes (double-sided format only) |
| Double-sided PermaSleeve | Yes |
| Continuous PermaSleeve | No |
| Outdoor safety and facility labels | No |
| White print ribbon | Yes |

*\* Estimates for comparative purposes only. Actual throughput affected by multple factors including label size, materials, print speed and label content.*
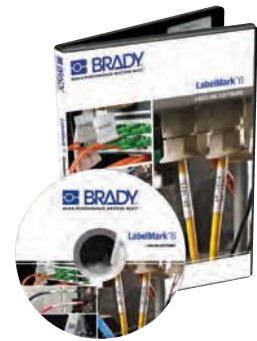
*\*\*User should test to the application. Small label performance is affected by multiple factors including print speed, qty in print run, heat setting and the size/layout of the printed elements.*

*Windows® is a registered trademark of Microsoft. Nomex® is a registered trademark of DuPont.*

## Included software:
### LabelMark™ Labeling Software

Save time and print professional-looking labels faster and more efficiently with Brady's LabelMark® software. From basic label design and printing to advanced import and editing options, LabelMark software improves the label-making experience for the electrical, industrial, aerospace, laboratory and telecom industries. LabelMark software takes the hassle out of constant and tedious labeling jobs, including panel markers, equipment labels, wire and cable labels and much more. It has built-in templates, wizards, fixed-text labels and free-form designs to easily create and print custom labels.

## Brady360® 5-Year Warranty
### We have you covered.

We always stand behind our products to make sure they deliver an unrivaled customer experience. We've strengthened our commitment to you with a **5-year printer warranty standard and free of charge** on our benchtop printer models.* With a team of 30 certified tech support and repair technicians backing up the warranty, you can rest assured you'll have the support you need—every step of the way.

**Free 5-year warranty standard on Benchtop models\* covers:**
• Repair parts and labor
• One print head replacement
• Free loaner printer during repairs
• Free return shipping after repair
• Free Brady360® stress-free printer setup session
• Free lifetime technical support via phone and email
• Free lifetime firmware upgrades
• One free Brady360® preventative maintenance service

**Access to additional fee-based support:**
• On-site repair service
• On-site custom set-up and training
• Additional print head coverage (after the first free replacement)
• Advanced custom integration, programming support and template creation

*\*Excludes repairs due to negligence. Excludes Wraptor™, BradyJet J5000 and handheld models. See BradyID.com for full coverage details and restrictions.*

## Industry Specifications
Together with Brady ribbons, permasleeves meet a variety of industry specifications:

| Industry Specifications | B-342 PS PermaSleeve | B-344 FR PermaSleeve | B-345 HT PermaSleeve | B-7641 LSZH PermaSleeve | B-7642 HX PermaSleeve | B-7646 DR PermaSleeve |
|---|---|---|---|---|---|---|
| SAE AS23053 | /5 | /6 | /18 | - | /5 | - |
| EN45545-2 | - | - | - | R22, R23 | - | - |
| SAE AS81531 | ● | ● | ● | - | ● | ● |
| NASA SP-R-0022A | - | - | ● | - | - | - |
| RoHS | ● | ● | ● | ● | ● | ● |
| **Tested Per:** | | | | | | |
| ASTM E162 | ● | ● | ● | - | - | - |
| ASTM E662 | ● | ● | ● | - | - | - |
| MIL-STD-202G Method 215K | ● | ● | ● | ● | ● | ● |
| UL224-VW-1 | - | - | - | - | ● | - |
| SAE AS5942 | ● | - | ● | - | - | - |
| NF F 00-608 Sec 5.5.8 | - | - | - | - | - | ● |
| ASTM D 2671 | - | - | ● | - | - | ● |

*Refer to BradyID.com/techdata for each product TDS for updated information.*

# THT Print Ribbons

## Thermal Transfer Print Ribbons (1.000" core, ink side out)

All Brady print ribbons are developed to meet the performance requirements of the materials printed. The combination of the ribbon and label material determine the success of the legend performance. Brady offers a complete line of ribbons that are designed to cover all your label application requirements.

**The following ribbons are compatible with Brady printers:**

- BradyPrinter i7100
- BBP®72 Sleeve Printer
- BBP®81 Label Printer
- PR-Plus Printer
- MVP Plus Series
- X+II Series Label Machine
- TAGUS™ Printer

| Series Description | Catalog # | Size | Color |
|---|---|---|---|
| **R4300 Wax/Resin** Strong environmental resistance against smearing and chemicals. Reliable, sharp-edge print quality to maximize barcode readability. | R4311 | 1.000" x 984' | Black |
| | R4306 | 1.570" x 984' | Black |
| | R4302 | 2.360" x 984' | Black |
| | R4300 | 3.270" x 984' | Black |
| | R4307 | 4.330" x 984' | Black |
| | R4304 | 5.120" x 984' | Black |
| | R4308 | 6.850" x 984' | Black |
| **R4400 Resin** High density, excellent solvent resistance, high heat resistance, super scratch resistance. | R4400-WT | 2.360" x 984' | White |
| | R4402-WT | 3.270" x 984' | White |
| | R4407-WT | 4.330" x 984' | White |
| | R4404-WT | 5.120" x 984' | White |
| | R4400-GR * | 2.360" x 984' | Green |
| | R4402-GR * | 3.270" x 984' | Green |
| | R4400-RD * | 2.360" x 984' | Red |
| | R4402-RD * | 3.270" x 984' | Red |
| | R4407-RD * | 4.330" x 984' | Red |
| | R4400-BL * | 2.360" x 984' | Blue |
| | R4402-BL * | 3.270" x 984' | Blue |
| | R4407-BL * | 4.330" x 984' | Blue |
| **R4500 Wax/Resin** Strong environmental resistance against smearing and chemicals. Reliable, sharp-edge print quality to maximize barcode readability. | R4500-RD | 2.360" x 984' | Red |
| | R4502-RD | 3.270" x 984' | Red |
| | R4507-RD | 4.330" x 984' | Red |
| | R4502-SV | 3.270" x 984' | Silver |
| | R4500-BL | 2.360" x 984' | Blue |
| | R4502-BL | 3.270" x 984' | Blue |
| | R4507-BL | 4.330" x 984' | Blue |
| **R4700 Resin** Use in conjunction with Brady's matte polyimide to eliminate the need to reflow or pre-bake labels prior to an inline or batch wash process | R4702 | 2.360" x 984' | Black |
| | R4706 | 1.570" x 984' | Black |
| | R4707 | 4.330" x 984' | Black |
| **R4900 Resin** Superb smear resistance at high temperatures. Superior solvent resistance. | R4902 | 2.360" x 984' | Black |
| | R4900 | 3.270" x 984' | Black |
| | R4908 | 6.850" x 984' | Black |

| Series Description | Catalog # | Size | Color |
|---|---|---|---|
| **R6000 Resin** Halogen free, high density, excellent solvent resistance, high heat resistance, super scratch resistance. | R6011 | 0.800" x 984' | Black |
| | R6006 | 1.570" x 984' | Black |
| | R6000 | 2.360" x 984' | Black |
| | R6002 | 3.270" x 984' | Black |
| | R6007 | 4.330" x 984' | Black |
| | R6004 | 5.120" x 984' | Black |
| | R6008 | 6.850" x 984' | Black |
| **R6100 Wax/Resin** Outstanding durability for a general purpose ribbon. Reduced print head energy requirements. | R6100 | 2.360" x 984' | Black |
| | R6102 | 3.270" x 984' | Black |
| | R6107 | 4.330" x 984' | Black |
| | R6104 | 5.120" x 984' | Black |
| **R6200 Resin** Designed for harsh environment labeling applications. Superior abrasion, chemical and heat resistance. | R6206 | 1.570" x 984' | Black |
| | R6200 | 2.360" x 984' | Black |
| | R6202 | 3.270" x 984' | Black |
| | R6207 | 4.330" x 984' | Black |
| **R6400 Resin** High density, excellent solvent resistance, high heat resistance, super scratch resistance. | R6406 | 1.570" x 984' | Black |
| | R6400 | 2.360" x 984' | Black |
| | R6402 | 3.270" x 984' | Black |
| | R6407 | 4.330" x 984' | Black |
| **R6600 Resin** Diesel resistant for printing on Brady PermaSleeve and Heatex Sleeves. | R6600 | 2.360" x 984' | Black |
| | R6602 | 3.270" x 984' | Black |
| | R6607 | 4.330" x 984' | Black |
| **R6700 Wax/Resin** High performance against scratching, smudging and harsh chemicals. | R6700-WT | 2.360" x 984' | White |
| | R6702-WT | 3.270" x 984' | White |
| | R6707-WT | 4.330" x 984' | White |
| **R6800 Resin** Specialized white ribbon to be used on dark colored PermaSleeve HT markers. | R6800-WT | 2.360" x 984' | White |
| | R6800-WT | 3.270" x 984' | White |
| | R6807-WT | 4.330" x 984' | White |

* ⚠ **WARNING:** Reproductive Harm www.P65Warnings.ca.gov

## Understanding ribbon parts:

**R4313**

**Ribbon Series:** R4300 Series

**Ribbon Dimension:** 4.000" x 242'

## Calculate how many labels per THT ribbon:

Standard THT ribbons are 984 ft long (unless otherwise noted).

**Step 1:** 984 feet = 11,808 inches

**Step 2:** 11,808 inches ÷ label vertical repeat = total label rows per ribbon

**Step 3:** total label rows per ribbon x number of labels across = total labels per ribbon

**BRADY** WHEN PERFORMANCE MATTERS MOST™

## i5100 and IP™ Thermal Transfer Print Ribbons
(1.000" core, ink side out)

IP-Enabled print ribbons come spooled on a specially designed core.

**The following ribbons are compatible with Brady printers:**

• BradyPrinter i5100
• Brady IP Printer

| Series Description | Catalog # | Size | Color |
|---|---|---|---|
| **R4300 Wax/Resin** Strong environmental resistance against smearing and chemicals. Reliable, sharp-edge print quality to maximize barcode readability. | IP-R4306 | 1.570" x 984' | Black |
| | IP-R4302 | 2.360" x 984' | Black |
| | IP-R4300 | 3.270" x 984' | Black |
| | IP-R4307 | 4.330" x 984' | Black |
| **R4400 Resin** High density, excellent solvent resistance, high heat resistance, super scratch resistance. | IP-R4400-WT | 2.360" x 984' | White |
| | IP-R4402-WT | 3.270" x 984' | White |
| | IP-R4407-WT | 4.330" x 984' | White |
| | IP-R4400-GR * | 2.360" x 984' | Green |
| | IP-R4402-GR * | 3.270" x 984' | Green |
| | IP-R4400-RD * | 2.360" x 984' | Red |
| | IP-R4402-RD * | 3.270" x 984' | Red |
| | IP-R4407-RD * | 4.330" x 984' | Red |
| | IP-R4400-BL * | 2.360" x 984' | Blue |
| | IP-R4402-BL * | 3.270" x 984' | Blue |
| | IP-R4407-BL * | 4.330" x 984' | Blue |
| **R4500 Wax/Resin** Strong environmental resistance against smearing and chemicals. Reliable, sharp-edge print quality to maximize barcode readability. | IP-R4500-RD | 2.360" x 984' | Red |
| | IP-R4502-RD | 3.270" x 984' | Red |
| | IP-R4507-RD | 4.330" x 984' | Red |
| | IP-R4502-SV | 3.270" x 984' | Silver |
| | IP-R4500-BL | 2.360" x 984' | Blue |
| | IP-R4502-BL | 3.270" x 984' | Blue |
| | IP-R4507-BL | 4.330" x 984' | Blue |
| **R4900 Resin** Superb smear resistance at high temps. Superior solvent resistance. | IP-R4902 | 2.360" x 984' | Black |
| | IP-R4900 | 3.270" x 984' | Black |
| **R6000 Resin** Halogen free, high density, excellent solvent resistance, high heat resistance, super scratch resistance. | IP-R6006 | 1.570" x 984' | Black |
| | IP-R6000 | 2.360" x 984' | Black |
| | IP-R6002 | 3.270" x 984' | Black |
| | IP-R6007 | 4.330" x 984' | Black |

| Series Description | Catalog # | Size | Color |
|---|---|---|---|
| **R6100 Wax/Resin** Outstanding durability for a general purpose ribbon. Reduced print head energy requirements. | IP-R6100 | 2.360" x 984' | Black |
| | IP-R6102 | 3.270" x 984' | Black |
| | IP-R6107 | 4.330" x 984' | Black |
| **R6200 Resin** Designed for harsh environment labeling applications. Superior abrasion, chemical and heat resistance. | IP-R6206 | 1.570" x 984' | Black |
| | IP-R6200 | 2.360" x 984' | Black |
| | IP-R6202 | 3.270" x 984' | Black |
| | IP-R6207 | 4.330" x 984' | Black |
| **R6400 Resin** High density, excellent solvent resistance, high heat resistance, super scratch resistance. | IP-R6406 | 1.570" x 984' | Black |
| | IP-R6400 | 2.360" x 984' | Black |
| | IP-R6402 | 3.270" x 984' | Black |
| | IP-R6407 | 4.330" x 984' | Black |
| **R6600 Resin** Diesel resistant for printing on Brady PermaSleeve and Heatex Sleeves. | IP-R6600 | 2.360" x 984' | Black |
| | IP-R6602 | 3.270" x 984' | Black |
| | IP-R6607 | 4.330" x 984' | Black |
| **R6700 Wax/Resin** High performance against scratching, smudging and harsh chemicals. | IP-R6700-WT | 2.360" x 984' | White |
| | IP-R6702-WT | 3.270" x 984' | White |
| | IP-R6707-WT | 4.330" x 984' | White |
| **R6800 Resin** Specialized white ribbon to be used on dark colored PermaSleeve HT markers. | IP-R6800-WT | 2.360" x 984' | White |
| | IP-R6800-WT | 3.270" x 984' | White |
| | IP-R6807-WT | 4.330" x 984' | White |
| | 108231 | Non RFID-enabled ribbon core | |
| | 149562 | Spare Brady ribbon take-up spindle | |

* ⚠ **WARNING:** Reproductive Harm www.P65Warnings.ca.gov

## THT Models 1024, 1344
### Print Ribbons (0.500" core, ink side in)

| Series Description | Catalog # | Size | Color |
|---|---|---|---|
| **R4300 Wax/Resin:** Strong resistance against smearing and chemicals. A reliable, sharp-edge print quality to maximize readability. | R4301 | 4.000" x 360' | Black |
| **R4900 Resin:** Superb smear resistance at high temperatures. Superior solvent resistance. | R4901 | 4.000" x 360' | Black |
| **R6000 Resin:** Halogen free, high density, excellent solvent resistance, high heat resistance, super scratch resistance. | R6001 | 4.000" x 360' | Black |
| **R6100 Wax/Resin:** Outstanding durability for a general purpose ribbon. Reduced print head energy requirements. | R6101 | 4.000" x 360' | Black |
| **R6200 Resin:** Designed for harsh environment labeling applications. Superior abrasion, chemical and heat resistance. | R6201 | 4.000" x 360' | Black |
| **R6400 Resin:** High density, excellent solvent resistance, high heat resistance, super scratch resistance. | R6401 | 4.000" x 360' | Black |

## THT Models 4042, Intermec 3440
### Print Ribbons (1.000" core, ink side out)

| Series Description | Catalog # | Size | Color |
|---|---|---|---|
| **R4300 Wax/Resin:** Strong resistance against smearing and chemicals. A reliable, sharp-edge print quality to maximize readability. | R4303 | 1.570" x 500' | Black |
| | R4305 | 2.360" x 500' | Black |
| | R4309 | 3.270" x 500' | Black |
| **R6000 Resin:** Halogen free, high density, excellent solvent resistance, high heat resistance, super scratch resistance. | R6003 | 1.570" x 500' | Black |
| | R6005 | 2.360" x 500' | Black |
| | R6009 | 3.270" x 500' | Black |
| **R6100 Wax/Resin:** Outstanding durability for a general purpose ribbon. Reduced print head energy requirements. | R6109 | 3.270" x 500' | Black |

**Benchtop Printers**

**Ribbons**

# THT Print Ribbons

## Ribbon / Material Cross-Reference Guide

To ensure the best legend permanence, all ribbons have been developed to meet the requirements of the materials to be printed on. Use the guide below to determine which ribbon series is recommended with your print materials.

| Symbol | Meaning |
|---|---|
| ● | Recommended ribbon for use with respective material. |
| ▲ | Acceptable ribbon for use with respective material. |
| UL | Materials are UL recognized with its respective ribbon. |
| CSA | Materials are CSA approved with its respective ribbon. |

| B-# | Material | R4300 (Black) | R4400 (Colors) | R4500 (Colors) | R4700 (Black) | R4900 (Black) | R6000 (Black) | R6100 (Black) | R6200 (Black) | R6400 (Black) | R6600 (Black) | R6700 (White) | R6800 (White) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B-342 | Polyolefin | ● | – | ● Silver | – | – | – | – | – | – | ● | ● White | – |
| B-344 | Polyolefin | – | – | – | – | – | – | – | – | – | ● | ● White | – |
| B-345 | Polyolefin | – | ▲ White | – | – | – | ● | – | – | – | ▲ | – | ● White |
| B-350 | Polyester/Paper | – | ▲ | – | – | ● UL | ▲ | – | – | – | – | – | – |
| B-351 | Vinyl | – | – | – | – | – | ▲ | – | ● | – | – | – | – |
| B-362 | Vinyl | – | – | – | – | – | ● UL | – | – | – | – | – | – |
| B-390 | Polypropylene | – | – | – | – | – | ● | – | ▲ | – | – | – | – |
| B-402 | Paper | ▲ | – | – | – | – | – | ● | – | – | – | – | – |
| B-403 | Paper | ● | – | – | – | – | – | – | – | – | – | – | – |
| B-408 | Paper | – | – | – | – | – | – | ● | – | – | – | – | – |
| B-412 | Polypropylene Tag | ▲ | – | – | – | – | – | – | ● | – | – | – | – |
| B-413 | Polyester | – | ● | – | – | ▲ | ● UL | – | ▲ UL | – | – | – | – |
| B-422 | Polyester | – | ● | – | – | ▲ UL | ● UL/CSA | – | – | – | – | – | – |
| B-423 | Polyester | – | ● | – | – | ▲ UL | ● UL/CSA | – | ▲ | – | – | – | – |
| B-424 | Paper | ● | – | ▲ | – | – | – | ▲ | – | – | – | – | – |
| B-425 | Polypropylene | ● UL/CSA | – | ● | – | – | – | – | ● UL/CSA | ● UL/CSA | – | – | – |
| B-427 | Vinyl | ● UL | – | ▲ | – | – | – | – | ▲ UL | – | – | – | – |
| B-428 | Polyester | ● UL/CSA | – | – | – | – | – | – | ▲ CSA | – | – | – | – |
| B-430 | Polyester | – | ▲ | – | – | ▲ UL | ● UL/CSA | – | ▲ | – | – | – | – |
| B-432 | Polyester | – | ▲ | – | – | ▲ UL | ● UL/CSA | – | ▲ | – | – | – | – |
| B-434 | Polyester | – | – | – | – | ● UL/CSA | ● UL/CSA | – | – | – | – | – | – |
| B-435 | Polyester | – | – | – | – | ▲ UL | ● UL/CSA | – | – | – | – | – | – |
| B-437 | Polyvinylfluoride | ● | – | – | – | – | – | – | ● | – | – | – | – |
| B-438 | Polyester | ● UL/CSA | – | ▲ | – | – | – | – | – | – | – | – | – |
| B-439 | Vinyl | – | ▲ White | – | – | ▲ | ● | – | – | – | – | – | – |
| B-449 | Polyolefin | ▲ | – | – | – | – | – | – | ● | – | – | – | – |
| B-459 | Polyester | – | ▲ UL | – | – | ▲ UL/CSA | ● UL/CSA | – | – | – | – | – | – |
| B-461 | Polyester | ● | – | ● | – | – | – | – | ▲ | – | – | – | – |
| B-472 | Polyimide | ● | – | – | – | – | – | – | ● | – | – | – | – |
| B-473 | Polyester | – | – | – | – | ▲ UL | ● UL/CSA | – | – | – | – | – | – |
| B-480 | Polyester | – | ● | – | – | ▲ | ● UL | – | ▲ UL | – | – | – | – |

**BRADY** WHEN PERFORMANCE MATTERS MOST™

# THT Print Ribbons

## Ribbon / Material Cross-Reference Guide (cont.)

| | Symbol | Description |
|---|---|---|
| ● | | Recommended ribbon for use with respective material. |
| ▲ | | Acceptable ribbon for use with respective material. |
| UL | | Materials are UL recognized with its respective ribbon. |
| CSA | | Materials are CSA approved with its respective ribbon. |

| B-# | Material | R4300 (Black) | R4400 (Colors) | R4500 (Colors) | R4700 (Black) | R4900 (Black) | R6000 (Black) | R6100 (Black) | R6200 (Black) | R6400 (Black) | R6600 (Black) | R6700 (White) | R6800 (White) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B-481 | Polyester | – | – | – | – | – | – | – | – | ● | – | – | – |
| B-482 | Polyester | – | – | – | – | – | – | – | – | ● | – | – | – |
| B-483 | Polyester | – | ▲ | – | – | ▲ UL | ● UL/CSA | – | – | – | – | – | – |
| B-484 | Polyester | – | ▲ | – | – | ▲ UL | ● UL | – | – | – | – | – | – |
| B-486 | Polyester | ● UL/CSA | – | – | – | – | – | – | ▲ CSA | – | – | – | – |
| B-488 | Polyester | ● UL/CSA | – | – | – | – | – | – | ▲ UL/CSA | – | – | – | – |
| B-489 | Polyester | ● UL/CSA | – | – | – | – | – | – | ▲ UL/CSA | – | – | – | – |
| B-490 | Polyester | ● | – | – | – | – | – | – | ▲ | – | – | – | – |
| B-492 | Polyester | ▲ | – | – | – | – | – | – | – | ● | – | – | – |
| B-498 | Vinyl Cloth | ▲ UL | – | – | – | – | ▲ | – | ● UL | – | – | – | – |
| B-499 | Nylon | ▲ UL/CSA | – | ▲ | – | ● UL/CSA | ▲ UL | – | ▲ | – | – | – | – |
| B-508 | Nomex® Tag | ● | – | – | – | – | – | – | – | – | – | – | – |
| B-533 | Polyester | – | ● | – | – | ● | ● | – | ▲ | – | – | – | – |
| B-593 | Polyester | – | ● UL/White | – | – | – | ● UL | – | – | – | – | – | – |
| B-717 | Polyimide | – | – | – | – | – | ● UL | – | – | – | – | – | – |
| B-718 | Polyimide | – | – | – | – | – | ● UL | – | – | – | – | – | – |
| B-719 | Polyimide | – | – | – | ● | – | ● UL | – | – | – | – | – | – |
| B-724 | Polyimide | ● | – | – | ● | – | – | – | – | – | – | – | – |
| B-727 | Polyimide | – | – | – | ● | – | ● UL | – | – | – | – | – | – |
| B-728 | Polyimide | – | – | – | ● | – | ● UL | – | – | – | – | – | – |
| B-729 | Polyimide | – | – | – | ● | – | ● UL | – | – | – | – | – | – |
| B-776 | Polyimide | – | – | – | – | – | ● UL | – | – | – | – | – | – |
| B-7425 | Polypropylene | ▲ | – | – | – | – | – | – | ▲ | ● | – | – | – |
| B-7425-AC | Polypropylene | ▲ | – | – | – | – | – | – | ▲ | ● | – | – | – |
| B-7546 | Polyester | – | ▲ | – | – | – | ● UL/CSA | – | – | – | – | – | – |
| B-7566 | Polyester | – | ● | – | – | – | ● | – | – | – | – | – | – |
| B-7576 | Polyester | – | ▲ | – | – | – | ● UL | – | – | – | – | – | – |
| B-7641 | Polyolefin | ● | – | – | – | – | ● | – | – | – | ● | – | – |
| B-7642 | Polyolefin | ● | – | – | – | – | – | – | – | ● | ● | – | – |
| B-7643 | Polyurethane | – | ● White | – | – | ▲ | ● | – | – | – | – | – | – |
| B-7646 | Polyolefin | – | – | – | – | – | – | – | – | – | ● | – | – |
| B-8117 | Polyester | – | ▲ White | – | – | – | – | – | – | – | – | – | ● |
| B-8423 | Polyester | – | ▲ | – | – | – | ▲ UL/CSA | – | ● UL/CSA | – | – | – | – |
| B-8425 | Polypropylene | – | ▲ | – | – | – | ● UL/CSA | – | – | – | – | – | – |
| B-8459 | Polyester | – | – | – | – | ● | ● | – | – | – | – | – | – |
| B-8591 | Polyester | – | ● White, UL | – | – | – | – | – | – | – | ● UL | – | – |

*Nomex® is registered trademark of DuPont.*

**Benchtop Printers**

**Ribbons**

## Paper Materials

Paper is an economical and environmentally friendly labeling solution for warehouse, shipping, work-in-process and tamper-proof applications. Brady paper materials are ideal for short-term to moderate durations and offer a variety of characteristics including self-destructive, permanent adhesive, repositionable, removable or dissolve in water. Paper labels are not recommended when chemical, abrasion, or high heat are present.

▶ **Printer Compatibility**

The following pages contain 3" core label rolls that are designed for use in these printers unless otherwise noted.

**NEW BradyPrinter i5100 and legacy IP™ Printer**

**NEW BradyPrinter i7100 and legacy PR PLUS printer**

▶ **How to Read a THT Catalog Number**

Many Brady label parts follow a naming convention that includes specific information about the label. The following example shows how it can be broken down:

# THT – 19 – 402 – 3

| **Technology:** Thermal Transfer | **Die Size:** #19 die 3" x 2" | **Material:** B-402 Paper | **Quantity:** Multiply by 1,000 3 x 1,000 = 3,000 |

### B-402 Paper Material

**Color: White      Finish: Matte**

White paper material for thermal transfer print technology. An economical solution for general purpose labeling needs.
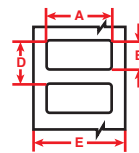

Figure 2

| Diagram | Catalog # | B-# | Material | Color | Label Width A Inch (mm) | Label Height B Inch (mm) | Vert. Repeat D Inch (mm) | Web Width E Inch (mm) | Labels Per Row | Labels Per Pkg | Rec. Ribbon |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fig. 2 | THT-17-402-5.2 | B-402 | Paper | White | 2.000 (50.8) | 1.000 (25.4) | 1.125 (28.6) | 2.125 (54.0) | 1 | 5,200 | R6100 |
| Fig. 2 | THT-18-402-5.2 | B-402 | Paper | White | 3.000 (76.2) | 1.000 (25.4) | 1.125 (28.6) | 3.200 (81.3) | 1 | 5,200 | R6102 |
| Fig. 2 | THT-19-402-3 | B-402 | Paper | White | 3.000 (76.2) | 2.000 (50.8) | 2.125 (54.0) | 3.200 (81.3) | 1 | 3,000 | R6102 |
| Fig. 2 | THT-20-402-1.1 | B-402 | Paper | White | 3.000 (76.2) | 5.000 (127.0) | 5.125 (130.2) | 3.200 (81.3) | 1 | 1,100 | R6102 |
| Fig. 2 | THT-25-402-1 | B-402 | Paper | White | 4.000 (101.6) | 6.000 (152.4) | 6.125 (155.6) | 4.200 (106.7) | 1 | 1,000 | R6107 |
| Fig. 2 | THT-55-402-3 | B-402 | Paper | White | 4.000 (101.6) | 2.000 (50.8) | 2.125 (54.0) | 4.200 (106.7) | 1 | 3,000 | R6107 |
| Fig. 2 | THT-77-402-1.4 | B-402 | Paper | White | 4.000 (101.6) | 4.000 (101.6) | 4.125 (104.8) | 4.125 (104.8) | 1 | 1,400 | R6107 |
| Fig. 2 | THT-78-402-0.9 | B-402 | Paper | White | 4.000 (101.6) | 6.500 (165.1) | 6.625 (168.3) | 4.125 (104.8) | 1 | 900 | R6107 |

### B-403 Water Dissolvable Material

**Color: White      Finish: Matte**

Water dissolvable paper labels completely dissolve in warm water within thirty seconds, leaving no adhesive residue. An ideal solution for temporary applications where easy removal, re-identification and waste reduction are valued. The numerous applications for this material include vial, tube, or general glassware labeling, temporary asset tracking, home and general use.
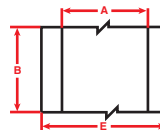

Figure 3

Dissolves in 30 seconds with no residue.

| Diagram | Catalog # | B-# | Material | Color | Label Width A Inch (mm) | Label Height B Inch (mm) | Vert. Repeat D Inch (mm) | Web Width E Inch (mm) | Labels Per Row | Labels Per Pkg | Rec. Ribbon |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Fig. 3 | THT-1125-403-WT | B-403 | Paper | White | 1.125 (28.575) | 300ft. (91.44m) | - | - | 1 | 1 roll (cont.) | R4300 |
| Fig. 3 | THT-2250-403-WT | B-403 | Paper | White | 2.250 (57.15) | 300ft. (91.44m) | - | - | 1 | 1 roll (cont.) | R4300 |
| Fig. 3 | THT-3000-403-WT | B-403 | Paper | White | 3.000 (76.2) | 300ft. (91.44m) | - | - | 1 | 1 roll (cont.) | R4300 |
| Fig. 3 | THT-4000-403-WT | B-403 | Paper | White | 4.000 (101.6) | 300ft. (91.44m) | - | - | 1 | 1 roll (cont.) | R4300 |

**BRADY** WHEN PERFORMANCE MATTERS MOST™