

BBP®12 Label Printer



BBP®12 LABEL PRINTER

Efficient and space-saving

From labels to wire markers and asset identification labels, the BBP®12 Label Printer gives you the versatility to print your basic labels types from one machine — saving costs, reducing downtime and simplifying your labeling.

Simple, efficient design

- Compact size won't clutter your workplace or bench
- Specially-designed 1" small core media rolls and 0.5" core ribbons
- Compatible with 3" core media rolls if using the external media holder (sold separately)
- Easy set-up and calibration

Performance

- Sharp 300 dpi printing on labels up to 4 in. wide
- Up to 4 in. per second print speed

While the BBP®12 label printer primarily uses 1" core materials for low to medium volume printing, an external media holder is available for purchase should high volume printing be needed occasionally.

This optional external media holder attaches to the back of the BBP®12 label printer, enabling customers to run larger 3" core rolls.

Benchtop Printers

▶ BBP12 At-A-Glance

- Low volume Wire ID and Product ID
- Small Footprint
- 1" small core label materials

▶ BBP12 Supplies

1" small core label rolls.....page 102
BBP®12 print ribbons..... page 108



1" small core materials designed specifically for the BBP®12 Label Printer

BBP®12 label printer and accessories

Catalog #	Description
BBP12-US	BBP12 Label Printer*
BBP12-NA-PWID	BBP12 Label Printer* with BWS Product Wire ID Software Suite
BBP12-U	3" Core Bulk Rolls External Media Holder for BBP12
64692	Print Head Cleaning Pen
PCK-6	Cleaning swabs that are pre-soaked in IPA (50 per pack)
120994	Rolling case w/ handle and supplies pockets **

* Printer ships with power cord, USB cable, drivers CD, ribbon paper core and quick start guide.

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

BBP12

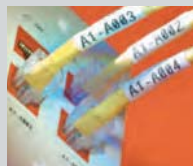
Versatile labeling options



Logistics labels



Asset tracking labels



Voice and data communications



Wire marker labels and sleeves



General purpose labels



Laboratory labels

BBP[®]12 Label Printer Specifications

Typical throughput & operational hours	1000 labels/day 8 hrs/5 days*
Print method and color capabilities	Thermal Transfer and Direct Thermal; Monochrome
Print resolution	300 dpi
Print width (max cross-web)	4.150 in.
Media width (cross-web w/ liner)	0.80 in. to 4.4 in.
Label length (down-web)	0.390 in. minimum**
Auto cut-off	-
PC connect or standalone operation	PC Connect Standalone (connect scanner or keyboard for basic data entry)
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: One USB, USB 2.0 (for PC), Ethernet, Serial, Parallel
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 (black print only)
PermaSleeve LSZH	No
PermaSleeve HX	Yes (black print only)
Double-sided PermaSleeve	Yes (with 2-pass reinsert of media, black print only)
Continuous PermaSleeve	No
Outdoor safety and facility labels	No
White print ribbon	Not recommended

* Estimates for comparative purposes only. Actual throughput affected by multiple 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.



BBP12 media holder available for bulk 3" core rolls.



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, Template Editor and more.



Recommended:

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 advanced labels with graphics, custom formatting, 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 A Free 30-Day Trial!



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.*

1" Small Core Materials for BBP12

Printer Compatibility

The following pages contain all 1" small core label rolls. These are designed specifically for use in the BBP[®]12 printer and the legacy BBP[®]11 printer.



BBP[®] 12 printer



Legacy BBP[®] 11 printer

General Identification Materials

Industrial materials designed and produced to meet the needs and requirements of harsh industrial environments. They are made of durable, heavy-duty material and aggressive adhesive that's proven to stick to almost any industrial environment surface.

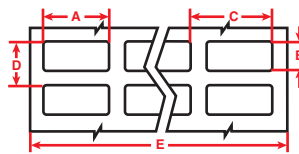


Figure 1

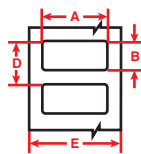


Figure 2

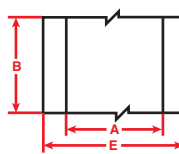


Figure 3

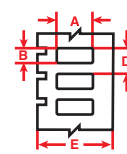


Figure 9



Diagram	Catalog #	B-#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Horiz. Repeat C Inch (mm)	Vert. Repeat D Inch (mm)	Web Width E Inch (mm)	Labels Per Row	Labels Per Pkg	Rec. Ribbon
B-423 Polyester Material												
Fig. 1	THT-5-423-5-SC	B-423	Polyester	White	1.000 (25.4)	0.500 (12.7)	1.075 (27.3)	0.600 (15.2)	3.350 (85.1)	3	5,000	R6013
Fig. 2	* THT-15-423-2.5-SC	B-423	Polyester	White	2.000 (50.8)	0.250 (6.4)	-	0.350 (8.9)	2.200 (55.9)	1	2,500	R6013
Fig. 2	THT-17-423-1.5-SC	B-423	Polyester	White	2.000 (50.8)	1.000 (25.4)	-	1.125 (28.6)	2.200 (55.9)	1	1,500	R6013
Fig. 2	THT-18-423-1.5-SC	B-423	Polyester	White	3.000 (76.2)	1.000 (25.4)	-	1.125 (28.6)	3.200 (81.3)	1	1,500	R6013
B-424 Paper Material												
Fig. 2	THT-17-424-1.5-SC	B-424	Paper	White	2.000 (50.8)	1.000 (25.4)	-	1.125 (28.6)	2.200 (55.9)	1	1,500	R4313
Fig. 2	THT-18-424-1.5-SC	B-424	Paper	White	3.000 (76.2)	1.000 (25.4)	-	1.125 (28.6)	3.200 (81.3)	1	1,500	R4313
B-425 Polypropylene Material												
Fig. 2	THT-17-425-1.5-SC	B-425	Polypropylene	White	2.000 (50.8)	1.000 (25.4)	-	1.125 (28.6)	2.200 (55.9)	1	1,500	R4313
Fig. 2	THT-18-425-1.5-SC	B-425	Polypropylene	White	3.000 (76.2)	1.000 (25.4)	-	1.125 (28.6)	3.200 (81.3)	1	1,500	R4313
B-430 Polyester Material												
Fig. 9	THT-17-430-1.5-SC	B-430	Polyester	Clear	2.000 (50.8)	1.000 (25.4)	-	1.125 (28.6)	2.200 (55.9)	1	1,500	R6013
Fig. 9	THT-18-430-1.5-SC	B-430	Polyester	Clear	3.000 (76.2)	1.000 (25.4)	-	1.125 (28.6)	3.200 (81.3)	1	1,500	R6013
B-449 Polypropylene Material												
Fig. 1	THT-6-449-1.5-SC	B-449	Polypropylene	White	1.500 (38.1)	0.750 (19.1)	1.650 (41.9)	0.875 (22.2)	3.350 (85.1)	2	1,500	R4313
Fig. 2	THT-17-449-1.5-SC	B-449	Polypropylene	White	2.000 (50.8)	1.000 (25.4)	-	1.125 (28.6)	2.200 (55.9)	1	1,500	R4313
B-483 Polyester Material												
Fig. 1	THT-5-483-5-SC	B-483	Polyester	White	1.000 (25.4)	0.500 (12.7)	1.075 (27.3)	0.600 (15.2)	3.350 (85.1)	3	5,000	R6013
Fig. 2	THT-17-483-1.5-SC	B-483	Polyester	White	2.000 (50.8)	1.000 (25.4)	-	1.125 (28.6)	2.200 (55.9)	1	1,500	R6013
Fig. 2	THT-18-483-1.5-SC	B-483	Polyester	White	3.000 (76.2)	1.000 (25.4)	-	1.125 (28.6)	3.200 (81.3)	1	1,500	R6013
B-488 Polyester Material												
Fig. 1	THT-140-488-1.5-SC	B-488	Polyester	White	0.750 (19.1)	0.900 (22.9)	1.000 (25.4)	0.875 (22.2)	2.100 (53.3)	2	1,500	R4313
Fig. 2	THT-164-488-1-SC	B-488	Polyester	White	0.900 (22.9)	0.900 (22.9)	-	1.000 (25.4)	1.100 (27.9)	1	1,000	R4313
B-490 Polyester Material												
Fig. 2	THT-154-490-1.5-SC	B-490	Polyester	White	1.250 (31.8)	0.375 (9.5)	-	0.500 (12.7)	1.450 (36.8)	1	1,500	R4313
Fig. 2	THT-155-490-1.5-SC	B-490	Polyester	White	1.625 (41.3)	0.600 (15.2)	-	0.700 (17.8)	1.825 (46.4)	1	1,500	R4313
Fig. 2	THT-156-490-1.5-SC	B-490	Polyester	White	1.900 (48.3)	1.000 (25.4)	-	1.100 (27.9)	2.100 (53.3)	1	1,500	R4313
Fig. 2	THT-157-490-1.5-SC	B-490	Polyester	White	2.200 (55.9)	1.500 (38.1)	-	1.625 (41.3)	2.400 (61.0)	1	1,500	R4313
Fig. 2	THT-158-490-1.5-SC	B-490	Polyester	White	3.750 (95.3)	1.500 (38.1)	-	1.625 (41.3)	3.950 (100.3)	1	1,500	R4313
B-498 Repositionable Vinyl Cloth Material												
Fig. 3	* THT-92-498-SC	B-498	Vinyl Cloth	White	0.375 (9.5)	165 ft (50.8 m)	-	-	1.000 (25.4)	1	1 Roll	R6213
Fig. 1	THT-68-498-5-SC	B-498	Vinyl Cloth	White	0.500 (12.7)	0.750 (19.1)	0.600 (15.2)	0.850 (21.6)	2.500 (63.5)	4	5,000	R6213
Fig. 1	* THT-14-498-5-SC	B-498	Vinyl Cloth	White	0.650 (16.5)	0.200 (5.1)	0.700 (17.8)	0.300 (7.6)	2.950 (74.9)	4	5,000	R6213
Fig. 1	* THT-1-498-5-SC	B-498	Vinyl Cloth	White	0.750 (19.1)	0.250 (6.4)	0.800 (20.3)	0.350 (8.9)	3.350 (85.1)	4	5,000	R6213
Fig. 1	THT-91-498-2.5-SC	B-498	Vinyl Cloth	White	0.750 (19.1)	0.937 (23.8)	0.875 (22.2)	1.062 (27.0)	3.500 (88.9)	4	2,500	R6213
Fig. 1	THT-165-498-2.5-SC	B-498	Vinyl Cloth	White	0.800 (20.3)	1.437 (36.5)	0.900 (22.9)	1.562 (39.7)	3.700 (94.0)	4	2,500	R6213
Fig. 1	THT-95-498-2.5-SC	B-498	Vinyl Cloth	White	0.800 (20.3)	1.437 (36.5)	0.900 (22.9)	1.562 (39.7)	2.800 (71.1)	3	2,500	R6213
Fig. 2	THT-59-498-2.5-SC	B-498	Polyester	White	1.000 (25.4)	0.500 (12.7)	-	0.600 (15.2)	1.200 (30.5)	1	2,500	R4313
Fig. 1	THT-88-498-2.5-SC	B-498	Vinyl Cloth	White	1.000 (25.4)	0.750 (19.1)	1.100 (27.9)	0.875 (22.2)	2.300 (58.4)	2	2,500	R6213
Fig. 2	* THT-199-498-3-SC	B-498	Vinyl Cloth	White	1.050 (26.7)	0.250 (6.4)	-	0.350 (8.9)	1.250 (31.8)	1	3,000	R6213
Fig. 2	THT-17-498-1.5-SC	B-498	Vinyl Cloth	White	2.000 (50.8)	1.000 (25.4)	-	1.125 (28.6)	2.200 (55.9)	1	1,500	R6213
B-533 Polyester Material												
Fig. 2	THT-59-533-2.5-SC	B-533	Polyester	White	1.000 (25.4)	0.500 (12.7)	-	0.600 (15.2)	1.200 (30.5)	1	2,500	R6013
Fig. 2	THT-17-533-1.5-SC	B-533	Polyester	White	2.000 (50.8)	1.000 (25.4)	-	1.125 (28.6)	2.200 (55.9)	1	1,500	R6013

* User should test to the application. Print performance on a part that is smaller than a printer's minimum label dimension spec is dependent on multiple factors including print speed, qty in print run, heat setting and the size/layout of the printed elements.

1" Small Core Materials for BBP12

▶ How to Read 1" Core Catalog Numbers

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 – 5 – 428 – 5 – SC

Technology: Thermal Transfer
Die Size: #5 die 1" x 0.5"
Material: B-428 Polyester
Quantity: Multiply by 1,000
 5 x 1,000 = 5,000
"Small Core" 1" core for BBP12 and BBP11 Printers

Asset Tracking and Rating Plate Materials

Durable thermal transfer printable materials ensure that labels identifying assets and property will stay in place and printed information and barcodes will remain legible and scannable even though subjected to harsh environments.

- **B-428 Polyester:** Thermal transfer printable metallized polyester with matte finish. Withstands solvents and variable temperatures. Excellent for serial and rating plate applications with name-plate quality and a metal-looking finish.
- **B-430 Polyester:** Translucent, high performance polyester material with a glossy finish. Non-colored label with permanent adhesive. Good for general purpose thermal transfer printing.
- **B-483 Polyester:** White polyester thermal transfer label with glossy finish and aggressive adhesive specifically designed for powder coated surfaces.
- **B-486 Polyester:** Thermal transfer printable metallized polyester material. Designed for high adhesion to textured metals, powder coated surfaces and low surface energy plastics. Withstands numerous solvents and variable temperatures.

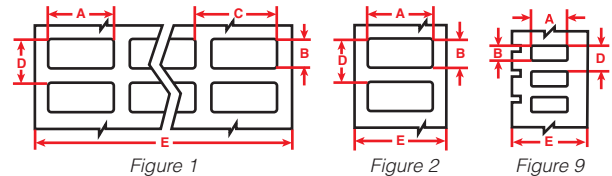


Diagram	Catalog #	B-#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Horiz. Repeat C Inch (mm)	Vert. Repeat D Inch (mm)	Web Width E Inch (mm)	Labels Per Row	Labels Per Pkg	Rec. Ribbon
B-428 Polyester Material												
Fig. 1	THT-5-428-5-SC	B-428	Polyester	Lt. Silver	1.000 (25.4)	0.500 (12.7)	1.075 (27.3)	0.600 (15.2)	3.350 (85.1)	3	5,000	R4313
Fig. 2	THT-17-428-1.5-SC	B-428	Polyester	Lt. Silver	2.000 (50.8)	1.000 (25.4)	-	1.125 (28.6)	2.200 (55.9)	1	1,500	R4313
Fig. 2	THT-18-428-1.5-SC	B-428	Polyester	Lt. Silver	3.000 (76.2)	1.000 (25.4)	-	1.125 (28.6)	3.200 (81.3)	1	1,500	R4313
B-430 Polyester Material												
Fig. 9	THT-17-430-1.5-SC	B-430	Polyester	Clear	2.000 (50.8)	1.000 (25.4)	-	1.125 (28.6)	2.200 (55.9)	1	1,500	R6013
Fig. 9	THT-18-430-1.5-SC	B-430	Polyester	Clear	3.000 (76.2)	1.000 (25.4)	-	1.125 (28.6)	3.200 (81.3)	1	1,500	R6013
B-483 Polyester Material												
Fig. 1	THT-5-483-5-SC	B-483	Polyester	White	1.000 (25.4)	0.500 (12.7)	1.075 (27.3)	0.600 (15.2)	3.350 (85.1)	3	5,000	R6013
Fig. 2	THT-17-483-1.5-SC	B-483	Polyester	White	2.000 (50.8)	1.000 (25.4)	-	1.125 (28.6)	2.200 (55.9)	1	1,500	R6013
Fig. 2	THT-18-483-1.5-SC	B-483	Polyester	White	3.000 (76.2)	1.000 (25.4)	-	1.125 (28.6)	3.200 (81.3)	1	1,500	R6013
B-486 Polyester Material												
Fig. 1	THT-5-486-5-SC	B-486	Polyester	Silver	1.000 (25.4)	0.500 (12.7)	1.075 (27.3)	0.600 (15.2)	3.350 (85.1)	3	5,000	R4313
Fig. 2	THT-17-486-1.5-SC	B-486	Polyester	Silver	2.000 (50.8)	1.000 (25.4)	-	1.125 (28.6)	2.200 (55.9)	1	1,500	R4313
Fig. 2	THT-18-486-1.5-SC	B-486	Polyester	Silver	3.000 (76.2)	1.000 (25.4)	-	1.125 (28.6)	3.200 (81.3)	1	1,500	R4313

Circuit Board Materials

- **B-727 Polyimide Material:** High temperature performance, white polyimide material with glossy finish and permanent adhesive. Withstands wave solder environments for printed circuit board and electronic component preprocess labeling. In combination with the Series R6000 ribbons, it passes the requirements of MIL-STD-202G, Notice 12, Method 215K.

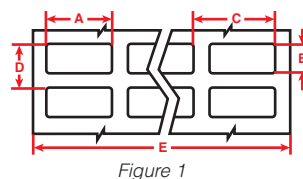


Diagram	Catalog #	B-#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Horiz. Repeat C Inch (mm)	Vert. Repeat D Inch (mm)	Web Width E Inch (mm)	Labels Per Row	Labels Per Pkg	Rec. Ribbon
Fig. 1 *	THT-1-727-5-SC	B-727	Polyimide	White	0.750 (19.1)	0.250 (6.4)	0.800 (20.3)	0.350 (8.9)	3.350 (85.1)	4	5,000	R6013

* User should test to the application. Print performance on a part that is smaller than a printer's minimum label dimension spec is dependent on multiple factors including print speed, qty in print run, heat setting and the size/layout of the printed elements.

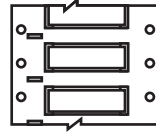
1" Small Core Materials for BBP12

B-342 PermaSleeve® PS Polyolefin Wire Marking Sleeves

B-342 PermaSleeve® PS Polyolefin Wire Marking Sleeves are a 3:1 heat-shrinkable wire marking sleeve that fits snugly around wires for identification and protection. These fade-resistant and flame retardant sleeves meet the following insulating material and physical property specifications:

- SAE-AS-23053/5
- SAE-AS-81531
- RoHS compliant
- UL recognized

- Tested per:**
- ASTM E162
 - ASTM E662
 - MIL-STD-202



Understanding PermaSleeve Parts

The following example shows product information contained within a catalog #:

PS - 187 - 2 - WT - SC - 2
 Product Diameter Width Color* Small Core for BBP12 Pieces** (Optional)

Benchtop Printers

BBP12

Catalog	Sleeves Per Roll	Approx. Wire Gauge	Range of Wire Dia. Inch (mm) Min. Max.	Supplied Diameter Inch (mm)	Recovered Diameter Inch (mm)	Recovered Wall Thickness Inch (mm)	Sleeve Width Inch (mm)	Rec. Ribbon
Single-sided printable								
* PS-094-2-WT-SC	1,000	28 to 20	0.023 (0.6) - 0.080 (2.0)	0.094 (2.4)	0.024 (0.6)	.024 (0.6) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* PS-094-2-WT-SC-2	2,000	28 to 20	0.023 (0.6) - 0.080 (2.0)	0.094 (2.4)	0.024 (0.6)	.024 (0.6) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
* PS-125-2-WT-SC	1,000	22 to 16	0.046 (1.2) - 0.110 (2.8)	0.125 (3.2)	0.047 (1.2)	.020 (0.5) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* PS-125-2-WT-SC-2	2,000	22 to 16	0.046 (1.2) - 0.110 (2.8)	0.125 (3.2)	0.047 (1.2)	.020 (0.5) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
* PS-187-2-WT-SC	1,000	20 to 10	0.062 (1.6) - 0.150 (3.8)	0.187 (4.7)	0.062 (1.6)	.020 (0.5) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* PS-187-2-WT-SC-2	1,000	20 to 10	0.062 (1.6) - 0.150 (3.8)	0.187 (4.7)	0.062 (1.6)	.020 (0.5) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
* PS-250-2-WT-SC	500	16 to 8	0.094 (2.4) - 0.215 (5.5)	0.250 (6.4)	0.093 (2.4)	.025 (0.6) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* PS-250-2-WT-SC-2	1,000	16 to 8	0.094 (2.4) - 0.215 (5.5)	0.250 (6.4)	0.093 (2.4)	.025 (0.6) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
* PS-375-2-WT-SC	250	12 to 4	0.125 (3.2) - 0.320 (8.13)	0.375 (9.5)	0.125 (3.1)	.025 (0.6) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* PS-375-2-WT-SC-2	500	12 to 4	0.125 (3.2) - 0.320 (8.13)	0.375 (9.5)	0.125 (3.1)	.025 (0.6) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
* PS-500-2-WT-SC	250	8 to 1	0.187 (4.8) - 0.450 (11.4)	0.500 (12.7)	0.187 (4.7)	.025 (0.6) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* PS-500-2-WT-SC-2	500	8 to 1	0.187 (4.8) - 0.450 (11.4)	0.500 (12.7)	0.187 (4.7)	.025 (0.6) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
* PS-750-2-WT-SC	100	6 to 4/0	0.250 (6.6) - 0.700 (17.8)	0.750 (19.0)	0.250 (6.4)	.025 (0.6) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* PS-750-2-WT-SC-2	200	6 to 4/0	0.250 (6.6) - 0.700 (17.8)	0.750 (19.0)	0.250 (6.4)	.025 (0.6) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
* PS-1000-2-WT-SC	100	2 to 0.950 dia.	0.333 (8.5) - 0.950 (24.1)	1.000 (25.4)	0.375 (9.5)	.036 (0.9) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* PS-1000-2-WT-SC-2	200	2 to 0.950 dia.	0.333 (8.5) - 0.950 (24.1)	1.000 (25.4)	0.375 (9.5)	.036 (0.9) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
Double-sided printable								
* 3PS-094-2-WT-SC	1,000	28 to 20	0.023 (0.6) - 0.080 (2.0)	0.094 (2.4)	0.024 (0.6)	.024 (0.6) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* 3PS-094-2-WT-SC-2	2,000	28 to 20	0.023 (0.6) - 0.080 (2.0)	0.094 (2.4)	0.024 (0.6)	.024 (0.6) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
* 3PS-125-2-WT-SC	1,000	22 to 16	0.046 (1.2) - 0.110 (2.8)	0.125 (3.2)	0.047 (1.2)	.020 (0.5) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* 3PS-125-2-WT-SC-2	2,000	22 to 16	0.046 (1.2) - 0.110 (2.8)	0.125 (3.2)	0.047 (1.2)	.020 (0.5) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
* 3PS-187-2-WT-SC	1,000	20 to 10	0.062 (1.6) - 0.150 (3.8)	0.187 (4.7)	0.062 (1.6)	.020 (0.5) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* 3PS-187-2-WT-SC-2	2,000	20 to 10	0.062 (1.6) - 0.150 (3.8)	0.187 (4.7)	0.062 (1.6)	.020 (0.5) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
* 3PS-250-2-WT-SC	500	16 to 8	0.094 (2.4) - 0.215 (5.5)	0.250 (6.4)	0.093 (2.4)	.025 (0.6) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* 3PS-250-2-WT-SC-2	1,000	16 to 8	0.094 (2.4) - 0.215 (5.5)	0.250 (6.4)	0.093 (2.4)	.025 (0.6) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
* 3PS-375-2-WT-SC	250	12 to 4	0.125 (3.2) - 0.320 (8.1)	0.375 (9.5)	0.125 (3.1)	.025 (0.6) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* 3PS-375-2-WT-SC-2	500	12 to 4	0.125 (3.2) - 0.320 (8.1)	0.375 (9.5)	0.125 (3.1)	.025 (0.6) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
* 3PS-500-2-WT-SC	250	8 to 1	0.187 (4.8) - 0.450 (11.4)	0.500 (12.7)	0.187 (4.7)	.025 (0.6) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* 3PS-500-2-WT-SC-2	500	8 to 1	0.187 (4.8) - 0.450 (11.4)	0.500 (12.7)	0.187 (4.7)	.025 (0.6) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
* 3PS-750-2-WT-SC	100	6 to 4/0	0.250 (6.4) - 0.700 (17.8)	0.750 (19.0)	0.250 (6.4)	.025 (0.6) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* 3PS-750-2-WT-SC-2	200	6 to 4/0	0.250 (6.4) - 0.700 (17.8)	0.750 (19.0)	0.250 (6.4)	.025 (0.6) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613
* 3PS-1000-2-WT-SC	100	2 to 0.950 dia.	0.333 (8.5) - 0.950 (24.1)	1.000 (25.4)	0.375 (9.5)	.036 (0.9) ± .003 (0.07)	2,000 (50.8)	R4313/ R6613
* 3PS-1000-2-WT-SC-2	200	2 to 0.950 dia.	0.333 (8.5) - 0.950 (24.1)	1.000 (25.4)	0.375 (9.5)	.036 (0.9) ± .003 (0.07)	1,000 (25.4)	R4313/ R6613

* **WARNING:** Cancer www.P65Warnings.ca.gov

Approx. wire gauge based on AWG for THHN wire.

*Choosing Your PermaSleeve Color	
Standard Stock Colors: WT = White YL = Yellow	Special Order Colors: (Contact Brady Customer Service for availability) BK = Black GR = Green PK = Pink BL = Blue GY = Gray RD = Red BR = Brown OR = Orange VT = Violet

1" Small Core Materials for BBP12

B-7642 PermaSleeve® HX Polyolefin Wire Marking Sleeves

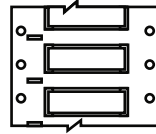
B-7642 PermaSleeve® HX Polyolefin Wire Marking Sleeves are 2:1 heat-shrinkable, high-temperature rated, highly flame retardant and very flexible.

These heat-shrinkable wire marking sleeves meet the following industry specifications:

- SAE-AS23053/5
- SAE-AS-81531
- RoHS compliant

Tested per:

- ASTM E162
- ASTM E662
- MIL-STD-202



Understanding PermaSleeve Parts

The following example shows product information contained within a catalog #:

HX - 187 - 2 - WT - SC - 4
 Product Diameter Width Color* Small Core for BBP12 Pieces** (Optional)

Catalog	Sleeves Per Roll	Approx. Wire Gauge	Range of Wire Dia. Inch (mm)		Supplied Diameter Inch (mm)	Recovered Diameter Inch (mm)	Recovered Wall Thickness Inch (mm)	Sleeve Width Inch (mm)	Rec. Ribbon
			Min.	Max.					
1" small core, single-sided printable, 2" width									
HX-094-2-WT-SC	500	24 to 20	0.047 (1.2) - 0.080 (2.0)		0.094 (2.4)	0.047 (1.2)	0.020 (0.5) ± 0.003 (0.07)	2.000 (50.8)	R4313/ R6613
HX-125-2-WT-SC	500	20 to 16	0.062 (1.6) - 0.110 (2.8)		0.125 (3.2)	0.063 (1.6)	0.020 (0.5) ± 0.003 (0.07)	2.000 (50.8)	R4313/ R6613
HX-187-2-WT-SC	500	16 to 10	0.094 (2.4) - 0.151 (3.8)		0.187 (4.8)	0.094 (2.4)	0.020 (0.5) ± 0.003 (0.07)	2.000 (50.8)	R4313/ R6613
HX-250-2-WT-SC	500	12 to 8	0.125 (3.2) - 0.215 (5.5)		0.250 (6.4)	0.126 (3.2)	0.025 (0.6) ± 0.003 (0.07)	2.000 (50.8)	R4313/ R6613
HX-375-2-WT-SC	250	8 to 4	0.188 (4.8) - 0.320 (8.1)		0.375 (9.5)	0.189 (4.8)	0.025 (0.6) ± 0.003 (0.07)	2.000 (50.8)	R4313/ R6613
HX-500-2-WT-SC	250	6 to 1	0.250 (6.4) - 0.450 (11.4)		0.500 (12.7)	0.252 (6.4)	0.025 (0.6) ± 0.003 (0.07)	2.000 (50.8)	R4313/ R6613
HX-750-2-WT-SC	150	2 to 4/0	0.375 (9.5) - 0.700 (17.8)		0.750 (19.0)	0.374 (9.5)	0.030 (0.8) ± 0.003 (0.07)	2.000 (50.8)	R4313/ R6613
HX-1000-2-WT-SC	150	2/0 to 0.950" dia.	0.450 (12.7) - 0.950 (24.1)		1.000 (25.4)	0.500 (12.7)	0.035 (0.9) ± 0.005 (0.1)	2.000 (50.8)	R4313/ R6613
1" small core, double-sided printable, 2" width									
2HX-094-2-WT-SC	500	24 to 20	0.047 (1.2) - 0.080 (2.0)		0.094 (2.4)	0.047 (1.2)	0.020 (0.5) ± 0.003 (0.07)	2.000 (50.8)	R4313/ R6613
2HX-125-2-WT-SC	500	20 to 16	0.062 (1.6) - 0.110 (2.8)		0.125 (3.2)	0.063 (1.6)	0.020 (0.5) ± 0.003 (0.07)	2.000 (50.8)	R4313/ R6613
2HX-187-2-WT-SC	500	16 to 10	0.094 (2.4) - 0.151 (3.8)		0.187 (4.8)	0.094 (2.4)	0.020 (0.5) ± 0.003 (0.07)	2.000 (50.8)	R4313/ R6613
2HX-250-2-WT-SC	500	12 to 8	0.125 (3.2) - 0.215 (5.5)		0.250 (6.4)	0.126 (3.2)	0.025 (0.6) ± 0.003 (0.07)	2.000 (50.8)	R4313/ R6613
2HX-375-2-WT-SC	250	8 to 4	0.188 (4.8) - 0.320 (8.1)		0.375 (9.5)	0.189 (4.8)	0.025 (0.6) ± 0.003 (0.07)	2.000 (50.8)	R4313/ R6613
2HX-500-2-WT-SC	250	6 to 1	0.250 (6.4) - 0.450 (11.4)		0.500 (12.7)	0.252 (6.4)	0.025 (0.6) ± 0.003 (0.07)	2.000 (50.8)	R4313/ R6613
2HX-750-2-WT-SC	150	2 to 4/0	0.375 (9.5) - 0.700 (17.8)		0.750 (19.0)	0.374 (9.5)	0.030 (0.8) ± 0.003 (0.07)	2.000 (50.8)	R4313/ R6613
2HX-1000-2-WT-SC	150	2/0 to 0.950" dia.	0.500 (12.7) - 0.950 (24.1)		1.000 (25.4)	0.500 (12.7)	0.035 (0.9) ± 0.005 (0.1)	2.000 (50.8)	R4313/ R6613

Approx. wire gauge based on AWG for THHN wire.

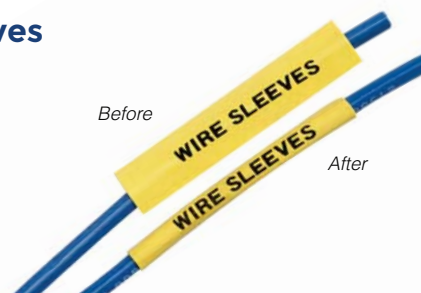
*Choosing Your PermaSleeve Color	
Standard Stock Colors: WT = White	Special Order Colors: (Contact Brady Customer Service for availability) BK = Black GY = Gray RD = Red BL = Blue OR = Orange VT = Violet GR = Green

** Choosing Your PermaSleeve Pieces (optional):	
While 1 marker per sleeve is standard, you may special order to have each sleeve slit multiple times to produce multiple pieces. Example: HX-187-2-WT-SC becomes HX-187-2-WT-SC-4 This "4" means that this 2.000" sleeve is slit into four 0.500" pieces.	
Standard Option: 1 marker per sleeve	Other Available Slit Options: (Contact Brady Customer Service for availability) 2, 3 or 4 markers per sleeve

PermaSleeve® Wire Marking Sleeves

Non-adhesive, printable wire marker heat-shrink sleeves fit snugly around wires or cables for maximum insulation protection and permanent identification.

These wire marking sleeves are available on 1" small core label rolls specifically designed for use with the BBP®12 Label Printer.



1" Small Core Materials for BBP12

Wire and Cable Materials

- **B-472 Flame Retardant Polyimide Material:** Polyimide material specifically designed to self-extinguish and prevent flames from propagating.
- **B-437 Topcoated Polyvinylfluoride Material:** Used most frequently in wire and cable applications where self-extinguishing features are required. This material has a permanent acrylic adhesive and has excellent resistance to water, oil and other common fluids.
- **B-498 Repositionable Vinyl Cloth Material:** Repositionable vinyl cloth label with adhesive and cloth backing offers excellent holding power, while easily being repositioned and removed.
- **B-499 Nylon Cloth Material:** Nylon cloth with permanent adhesive allows labeling in heat, cold, oil and dirty environments

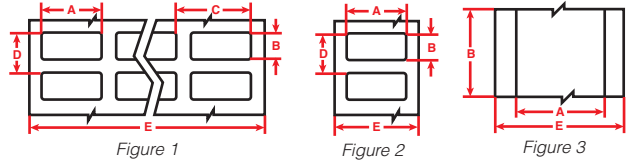


Diagram	Catalog #	B-#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Web Width E Inch (mm)	Labels Per Row	Labels Per Pkg	Rec. Ribbon
B-472 Flame Retardant Polyimide Wire Wraps										
Fig. 3	THT-105-472-YL-SC	B-472	Polyimide	Yellow	1.500 (38.1)	300 ft (91.4 m)	1.750 (44.45)	1 roll cont.		R4313
B-437 Topcoated Polyvinylfluoride Material										
Fig. 3	THT-105-437-SC	B-437	Polyimide	White	1.500 (38.1)	300 ft (91.44 m)	1.750 (44.45)	1 roll cont.		R4313
Fig. 3	THT-105-437-YL-SC	B-437	Polyimide	Yellow	1.500 (38.1)	300 ft (91.44 m)	1.750 (44.45)	1 roll cont.		R4313
Fig. 3	THT-21-437-SC	B-437	Polyimide	White	3.000 (76.2)	300 ft (91.44 m)	3.200 (81.28)	1 roll cont.		R4300
Fig. 3	THT-21-437-YL-SC	B-437	Polyimide	Yellow	3.000 (76.2)	300 ft (91.44 m)	3.200 (81.28)	1 roll cont.		R4313
B-498 Vinyl Cloth Material										
Fig. 3	THT-92-498-SC	B-498	Vinyl	White	0.375 (9.5)	165 ft (50.8 m)	1.000 (25.4)	1 Cont.		R6313
Fig. 1	THT-68-498-5-SC	B-498	Vinyl	White	0.500 (12.7)	0.750 (19.1)	2.500 (63.5)	4	5,000	R6313
Fig. 1	* THT-14-498-5-SC	B-498	Vinyl	White	0.650 (16.5)	0.200 (5.1)	2.950 (74.9)	4	5,000	R6313
Fig. 2	* THT-252-498-3-SC	B-498	Vinyl	White	0.750 (19.1)	0.250 (6.4)	-	1	3,000	R6213
Fig. 1	* THT-1-498-5-SC	B-498	Vinyl	White	0.750 (19.1)	0.250 (6.4)	3.350 (85.1)	4	5,000	R6313
Fig. 2	THT-254-498-1.5-SC	B-498	Vinyl	White	0.750 (19.1)	0.750 (19.1)	-	1	1,500	R6313
Fig. 1	THT-91-498-2.5-SC	B-498	Vinyl	White	0.750 (19.1)	0.937 (23.8)	3.500 (88.9)	4	2,500	R6313
Fig. 1	THT-165-498-2.5-SC	B-498	Vinyl	White	0.800 (20.3)	1.437 (36.5)	3.700 (94.0)	4	2,500	R6313
Fig. 1	THT-95-498-2.5-SC	B-498	Vinyl	White	0.800 (20.3)	1.437 (36.5)	2.800 (71.1)	3	2,500	R6313
Fig. 2	* THT-253-498-3-SC	B-498	Vinyl	White	1.000 (25.4)	0.188 (4.8)	-	1	3,000	R6213
Fig. 1	THT-88-498-2.5-SC	B-498	Vinyl	White	1.000 (25.4)	0.750 (19.1)	2.300 (58.4)	2	2,500	R6313
Fig. 2	* THT-199-498-3-SC	B-498	Vinyl	White	1.050 (28.7)	0.250 (6.4)	1.250 (31.8)	1	3,000	R6313
Fig. 2	THT-17-498-1.5-SC	B-498	Vinyl	White	2.000 (50.8)	1.000 (25.4)	2.200 (55.9)	1	1,500	R6313
B-499 Nylon Cloth Material										
Fig. 2	THT-125-499-1.5-SC	B-499	Nylon	White	0.900 (22.9)	0.500 (12.7)	1.100 (27.9)	1	1,500	R4913
Fig. 1	THT-152-499-1.5-SC	B-499	Nylon	White	1.000 (25.4)	0.375 (9.5)	2.300 (58.4)	2	1,500	R4913
Fig. 1	THT-249-499-1.5-SC	B-499	Nylon	White	1.000 (25.4)	0.375 (9.5)	2.300 (58.4)	1	1,500	R4913
Fig. 2	THT-136-499-1.5-SC	B-499	Nylon	White	1.500 (38.1)	0.750 (19.1)	1.750 (44.45)	1	1,500	R4913
Fig. 2	THT-151-499-1.5-SC	B-499	Nylon	White	2.000 (50.8)	0.250 (6.4)	2.200 (55.9)	1	1,500	R4913
Fig. 2	THT-137-499-1.5-SC	B-499	Nylon	White	2.000 (50.8)	1.000 (25.4)	2.200 (55.9)	1	1,500	R4913

Self-Laminating Wire and Cable Material

- **B-427 Self-Laminating Wire Material:** Self-laminating vinyl features white printable area with a clear "tail" that wraps around marker. Tail serves as overlaminate to protect the print. Superior resistance to abrasion, solvents, water, oil and dirt.

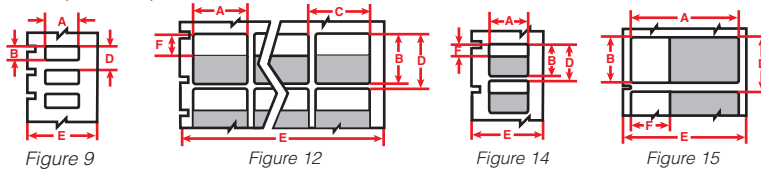


Diagram	Catalog #	B-#	Material	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Write On Area F (Height)	Labels Per Row	Labels Per Pkg	Rec. Ribbon
Fig. 12	THT-80-427-2.5-SC	B-427	Vinyl	White/Clear	0.500 (12.7)	0.750 (19.1)	0.375 (9.5)	4	2,500	R4313
Fig. 12	THT-8-427-5-SC	B-427	Vinyl	White/Clear	0.500 (12.7)	1.437 (36.5)	0.500 (12.7)	5	5,000	R4313
Fig. 12	THT-56-427-5-SC	B-427	Vinyl	White/Clear	0.750 (19.1)	0.938 (23.8)	0.375 (9.5)	4	5,000	R4313
Fig. 12	THT-74-427-5-SC	B-427	Vinyl	White/Clear	0.800 (20.3)	1.437 (36.5)	0.500 (12.7)	4	5,000	R4313
Fig. 12	THT-9-427-2.5-SC	B-427	Vinyl	White/Clear	1.000 (25.4)	1.437 (36.5)	0.500 (12.7)	3	2,500	R4313
Fig. 12	THT-75-427-1.5-SC	B-427	Vinyl	White/Clear	1.000 (25.4)	2.250 (57.2)	0.750 (19.1)	2	1,500	R4313
Fig. 12	THT-10-427-1.5-SC	B-427	Vinyl	White/Clear	1.000 (25.4)	3.750 (95.3)	1.000 (25.4)	3	1,500	R4313
Fig. 12	THT-81-427-.5-SC	B-427	Vinyl	White/Clear	1.000 (25.4)	6.000 (152.4)	1.500 (38.1)	2	500	R4313
Fig. 9	THT-135-427-2-AWSC	B-427	Vinyl	All White	1.500 (38.1)	0.750 (19.1)	0.750 (19.1)	1	2,000	R4313
Fig. 14	THT-119-427-1-SC	B-427	Vinyl	White/Clear	1.500 (38.1)	1.500 (38.1)	0.500 (12.7)	1	1,000	R4313
Fig. 14	THT-121-427-1-SC	B-427	Vinyl	White/Clear	1.750 (44.5)	1.500 (38.1)	0.500 (12.7)	1	1,000	R4313
Fig. 14	THT-27-427-.5-SC	B-427	Vinyl	White/Clear	2.000 (50.8)	3.750 (95.3)	1.000 (25.4)	1	500	R4313
Fig. 14	THT-26-427-.5-SC	B-427	Vinyl	White/Clear	2.500 (63.5)	2.250 (57.2)	0.750 (19.1)	1	500	R4313
Fig. 15	THT-131-427-1.5-SC	B-427	Vinyl	White/Clear	2.625 (66.7)	1.000 (25.4)	1.000 (25.4)	1	1,500	R4313

* User should test to the application. Print performance on a part that is smaller than a printer's minimum label dimension spec is dependent on multiple factors including print speed, qty in print run, heat setting and the size/layout of the printed elements.

1" Small Core Materials for BBP12

Cryogenic Centrifuge and PCR Tube and Vial Labels (B-461, B-492 and B-499)

FreezerBondz™ labels can be applied to room temperature or to already frozen samples, with a small overlap. The label remains legible and will stick to the tube during processing, even when immersed in liquid or vapor phase nitrogen and ultra low temperature freezer storage.

- **B-461 Self-Laminating Polyester Material:** Ultra-thin polyester label with clear overlaminated tail that protects print and allows liquid levels to be visible
- **B-492 Polyester Material:** FreezerBondz™ ultra-thin white polyester for labeling frozen or room temperature vials, tubes and canes. Superior chemical and abrasion resistance.
- **B-499 Nylon Cloth Material:** Thick white nylon cloth for easy handling and conformability
- **B-7425 Polypropylene Material:** Ideal for labeling dry, room temperature specimen containers. Material withstands temperature ranges from -196°C to 121°C (-320°F to 248°F). Chemical resistance to ethanol, DMSO, IPS, short term xylene, 10% formalin, 50% acetic acid and toluene

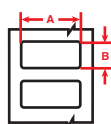


Figure 2



Figure 5

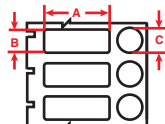


Figure 7

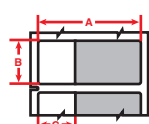


Figure 15c

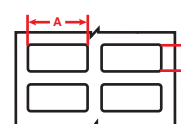


Figure 25a

Diagram	Catalog #	B#	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Print-On Height C Inch (mm)	Labels Per Row	Labels Per Roll	Rec. Ribbon
B-461 Polypropylene									
Fig. 15c	* THT-123-461-1.5-SC	B-461	White	1.800 (45.7)	0.375 (9.5)	0.750 (19.1)	1	1500	R4313
Fig. 15c	THT-127-461-1.5-SC	B-461	White	2.200 (55.9)	0.500 (12.7)	0.750 (19.1)	1	1500	R4313
Fig. 15c	THT-133-461-1.5-SC	B-461	White	1.625 (41.3)	0.600 (15.2)	1.000 (25.4)	1	1500	R4313
Fig. 15c	THT-122-461-1.5-SC	B-461	White	1.800 (45.7)	0.500 (12.7)	0.750 (19.1)	1	1500	R4313
Fig. 15c	THT-153-461-1.5-SC	B-461	White	2.625 (66.7)	0.600 (15.2)	1.000 (25.4)	1	1500	R4313
Fig. 15c	THT-131-461-1.5-SC	B-461	White	2.625 (66.7)	1.000 (25.4)	-	1	1500	R4313
Fig. 15c	THT-183-461-0.5-SC	B-461	White	1.000 (25.4)	1.750 (44.5)	1.000 (25.4)	1	500	R4313
B-499 Nylon Cloth									
Fig. 25a	* THT-152-499-1.5-SC	B-499	White	1.000 (25.4)	0.375 (9.5)	-	2	1500	R6013
Fig. 5	THT-144-499-1.5-SC	B-499	White	0.500 (12.7)	-	-	3	1500	R6013
Fig. 2	THT-125-499-1.5-SC	B-499	White	0.900 (22.9)	0.500 (12.7)	-	1	1500	R6013
B-492 Polyester									
Fig. 5	* THT-143-492-1.5-SC	B-492	White	0.375 (9.5) dia.	-	-	4	1500	R6413
Fig. 5	THT-144-492-1.5-SC	B-492	White	1.500 (12.7) dia.	-	-	3	1500	R6413
Fig. 2	THT-249-492-1.5-SC	B-492	White	1.000 (25.4)	0.375 (9.5)	-	1	1500	R6413
Fig. 25a	* THT-152-492-2.5-SC	B-492	White	1.000 (25.4)	0.375 (9.5)	-	2	2500	R6413
Fig. 7	THT-250-492-1.5-SC	B-492	White	1.000 (25.4)	0.500 (12.7)	0.44" dia.	1	1500	R6413
Fig. 7	THT-251-492-1.5-SC	B-492	White	1.000 (25.4)	0.500 (12.7)	0.44" dia.	1	1500	R6413
Fig. 2	THT-59-492-2.5-SC	B-492	White	1.000 (25.4)	0.500 (12.7)	-	1	2500	R4313
Fig. 25a	THT-88-492-2.5-SC	B-492	White	1.000 (25.4)	0.750 (19.1)	-	2	2500	R6413
Fig. 2	THT-179-492-2.5-SC	B-492	White	1.000 (25.4)	1.000 (25.4)	-	1	2500	R6413
Fig. 2	THT-156-492-1.5-SC	B-492	White	1.900 (48.26)	1.000 (25.4)	-	1	1500	R6413
B-7425 Polypropylene									
Fig. 2	THT-257-7425-2-SC	B-7425	White	0.250 (6.35)	0.825 (21)	-	1	2000	R6413
Fig. 2	THT-151-7425-2-SC	B-7425	White	0.250 (6.35)	2.000 (50.8)	-	1	2000	R6413
Fig. 25	THT-152-7425-2-SC	B-7425	White	0.375 (9.5)	1.000 (25.4)	-	2	2000	R6413
Fig. 7	THT-249-7425-2-SC	B-7425	White	0.375 (9.5)	1.000 (25.4)	0.375" dia.	1	2000	R6413
Fig. 7	THT-251-7425-2-SC	B-7425	White	0.500 (12.7)	1.000 (25.4)	0.44" dia.	1	2000	R6413
Fig. 2	THT-53-7425-2-SC	B-7425	White	0.500 (12.7)	2.000 (50.8)	-	1	2000	R6413
Fig. 2	THT-256-7425-2-SC	B-7425	White	0.600 (15.24)	1.300 (33)	-	1	2000	R6413
Fig. 25	THT-88-7425-2-SC	B-7425	White	0.750 (19.1)	1.000 (25.4)	-	2	2000	R6413
Fig. 2	THT-59-7425-2-SC	B-7425	White	1.000 (25.4)	0.500 (12.7)	-	1	2000	R6413
Fig. 2	THT-179-7425-2-SC	B-7425	White	1.000 (25.4)	1.000 (25.4)	-	1	2000	R6413
Fig. 2	THT-235-7425-2-SC	B-7425	White	1.000 (25.4)	1.500 (38.1)	-	1	2000	R6413
Fig. 2	THT-137-7425-2-SC	B-7425	White	1.000 (25.4)	2.000 (50.8)	-	1	2000	R6413
Fig. 25	THT-37-7425-2-SC	B-7425	White	1.050 (26.7)	0.500 (12.7)	-	2	2000	R6413
Fig. 2	THT-136-7425-2-SC	B-7425	White	1.050 (26.7)	0.750 (19.1)	-	1	2000	R6413
Fig. 2	THT-258-7425-2-SC	B-7425	White	1.750 (44.5)	1.500 (38.1)	-	1	2000	R6413

* User should test to the application. Print performance on a part that is smaller than a printer's minimum label dimension spec is dependent on multiple factors including print speed, qty in print run, heat setting and the size/layout of the printed elements.

BBP®12 Print Ribbons

Microscope Slide Labels (B-481)

Brady's StainerBondz™ Labels are designed specifically to identify slides and to resist exposure to harsh chemicals during the slide staining process. They perform well in stains such as hematoxylin and eosin.

- **B-481 StainerBondz™ Polyester:** White StainerBondz™ Polyester with extreme chemical-resistant that withstands the rigors of typical deparaffinization including ethenol, xylene and HandE staining process.

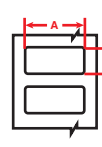
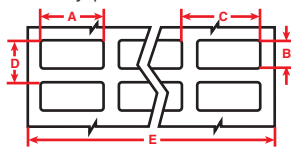


Diagram	Catalog #	B#	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Row	Labels Per Roll	Rec. Ribbon
B-481 Polyester								
Fig. 2a	THT-194-481-2.5-SC	B-481	White	0.900 (22.9)	0.750 (19.1)	1	2500	R6413
Fig. 1	THT-207-481-2.5-SC	B-481	White	0.900 (22.9)	0.900 (22.9)	4	2500	R6413
Fig. 1	THT-141-481-1.5-SC	B-481	White	0.900 (22.9)	0.900 (22.9)	2	1500	R6413
Fig. 2a	THT-164-481-2.5-SC	B-481	White	0.900 (22.9)	0.900 (22.9)	1	2500	R6413
Fig. 2a	THT-142-481-2.5-SC	B-481	White	2.500 (63.5)	0.200 (5.1)	1	2500	R6413

Tissue Cassette Labels (B-482)

- **B-482 Polyester:** White polyester label with superior resistance to tissue processing chemicals and embedding procedures. Use with the BSP™31 Label Attachment system for pre-process tissue cassette identification

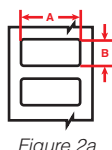


Diagram	Catalog #	B#	Color	Label Width A Inch (mm)	Label Height B Inch (mm)	Labels Per Row	Labels Per Roll	Rec. Ribbon
B-482 Polyester								
Fig. 2a	* THT-213-482-3-SC	B-482	White	1.050 (26.7)	0.313 (8)	1	3000	R6413
Fig. 2a	* THT-199-482-3-SC	B-482	White	1.050 (26.7)	0.250 (6.4)	1	3000	R6413

* User should test to the application. Print performance on a part that is smaller than a printer's minimum label dimension spec is dependent on multiple factors including print speed, qty in print run, heat setting and the size/layout of the printed elements.

Benchtop Printers

BBP12



Spare Ribbon Spindles

Catalog #	Description
115178	BBP12 Ribbon Spindle

Print Ribbons for BBP®12 and BBP®11 Printers

(0.500" core, ink side out)

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.

Catalog #	Size	Color	Ribbon Series
R4313	4.000" x 242'	Black	R4300 Wax/Resin Strong environmental resistance against smearing and chemicals. Reliable, sharp-edge print quality to maximize barcode readability.
R4413-WT	4.000" x 242'	White	R4400 Resin High density, excellent solvent resistance, high heat resistance, super scratch resistance.
R4513-SV	2.2" x 242' on 4.330" core	Silver	R4500 Wax/Resin Strong environmental resistance against smearing and chemicals. Reliable, sharp-edge print quality to maximize barcode readability.
R4913	4.000" x 242'	Black	R4900 Resin Superb smear resistance at high temperatures. Superior solvent resistance.
R6013	4.000" x 242'	Black	R6000 Resin Halogen free, high density, excellent solvent resistance, high heat resistance, super scratch resistance.
R6213	4.000" x 242'	Black	R6200 Resin Designed for harsh environment labeling applications. Superior abrasion, chemical and heat resistance.
R6413	4.000" x 242'	Black	R6400 Resin High density, excellent solvent resistance, high heat resistance, super scratch resistance.
R6613	4.000" x 242'	Black	R6600 Resin Diesel resistant for printing on PermaSleeve® wire markers and Heatex Sleeves.

BBP12 Ribbon / Material Cross-Reference

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.

●	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	R4313 (Black)	R4413-WT (White)	R4513-SV (Silver)	R4913 (Black)	R6013 (Black)	R6213 (Black)	R6413 (Black)	R6613 (Black)
B-342	Polyolefin	●	-	●	-	-	-	-	●
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-437	Polyvinylfluoride	●	-	-	-	-	●	-	-
B-449	Polyolefin	▲	-	-	-	-	●	-	-
B-461	Polypropylene	●	-	●	-	-	▲	-	-
B-472	Polyimide	●	-	-	-	-	●	-	-
B-481	Polyester	-	-	-	-	-	-	●	-
B-482	Polyester	-	-	-	-	-	-	●	-
B-483	Polyester	-	▲	-	▲ UL	● UL/CSA	-	-	-
B-486	Polyester	● UL/CSA	-	-	-	-	▲ CSA	-	-
B-488	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-533	Polyester	-	●	-	●	●	▲	-	-
B-727	Polyimide	-	-	-	-	● UL	-	-	-
B-7425	Polypropylene	▲	-	-	-	-	▲	●	-
B-7642	Polyolefin	●	-	-	-	-	-	●	●



Understanding Ribbon Parts:

R4313

Ribbon Series:
R4300 Series

Ribbon Dimension:
4.000" x 242'

Calculate how many labels per ribbon:

BBP®12 Print Ribbons are 242 feet long.

Step 1: 242 feet = 2,904 inches

Step 2: 2,904 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