



[www.BradyID.com/bbp31](http://www.BradyID.com/bbp31)

# Fast. Simple. Powerfully Versatile.

The way label making should be.

  
**ROYAL ELECTRIC SUPPLY**  
 COMPANY

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**WE GET IT**  
 24/7 Emergency Material Access

**BBP®31**  
SIGN & LABEL PRINTER



**BBP®33**  
LABEL PRINTER

# Fast. Simple. Power

## The way label making should be.

Two powerful printers that take on ALL your labeling needs with unprecedented ease! No more tedious, time-consuming setups. No more difficult-to-load materials. No more wasted labels. No more hassles. These printers are so simple to use and so incredibly fast to set up that most of our customers don't even believe us the first time we show them. But believe it, because it is really is that easy, and you really will be that fast, and you really will avoid wasted labels.

Industrial label printing that's simple, powerful and brilliantly fast. **Exactly the way label making should be.**



### Automatic label setup with no calibration

The printer "reads" critical information from your cartridges and automatically sets up the label correctly in the printer or your Brady software.

- No sensor adjustment or calibration (or wasted labels!)
- No print speed or burn temp trials and errors (or wasted labels!)
- No scrolling through lists searching for label part
- No need to set up label dimensions in software

**The printer does all this for you!**

### Record fast material changeovers

- Foolproof "drop-in" ribbon and label cartridges (anyone can do it!)
- Drop in the cartridge, lock it and start typing – that's all you need to do!
- No threading the ribbon around spools and printheads
- Ink side of ribbon always faces the right way
- Easy-to-handle cartridges that won't roll away or get damaged



### BBP®31 Printer - stand-alone printing & ultimate ease of use

Still the easiest! Just walk up and print. Literally. The best choice for facility and safety and lean/5S "Kaizen event" labeling with a printer that operates stand alone or from your PC.

- Safety, facility and lean/5S applications – 300 parts, 13 materials
- Stand-alone operation ideal for mobile use and "lean events"
- Intuitive, simple to learn, very approachable – ideal for multi-user situations and events
- Compatible with powerful MarkWare™ PC software, plus has Windows® based driver for 3rd party software use (ex: print from MSWord)



### BBP®33 Printer - **NEW!** PC-only printing with expanded material options

Never-before-seen supply changeover speed and waste-free set-up in a PC-only printer. Full ranges of facility, safety & lean/5S label materials as well as die cut labels for, wire ID, lab ID and product ID.

- Safety, facility and lean/5S applications – 300 parts, 13 materials
- Wire ID, lab ID & general ID die cuts – 226 parts, 26 materials, plus custom sizes available!
- Ideal facility-wide printer where mobile use multi-user event labeling are not as important
- Compatible with LabelMark™, CodeSoft™ and MarkWare™ PC software, plus Windows® based driver for 3rd party software use (ex: print from MSWord)

# Fully Versatile.



## BBP<sup>®</sup>31 SIGN & LABEL PRINTER

Stand alone printing, ultimate ease of use for multi-user "event" labeling.

## BBP<sup>®</sup>33 LABEL PRINTER

PC only printer with expanded material options.



**i** **When you see this...**  
**BBP31** and **BBP33**  
 It's letting you know which printer model each supply part can be used with.

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# Brady Materials Are Made To Impress.



## Brady labels last the longest, period.

Brady labels stick and stay stuck, plain and simple. In fact, some last up to 10 years outdoors. You only need to make these labels once!

## Options. Lots of options.

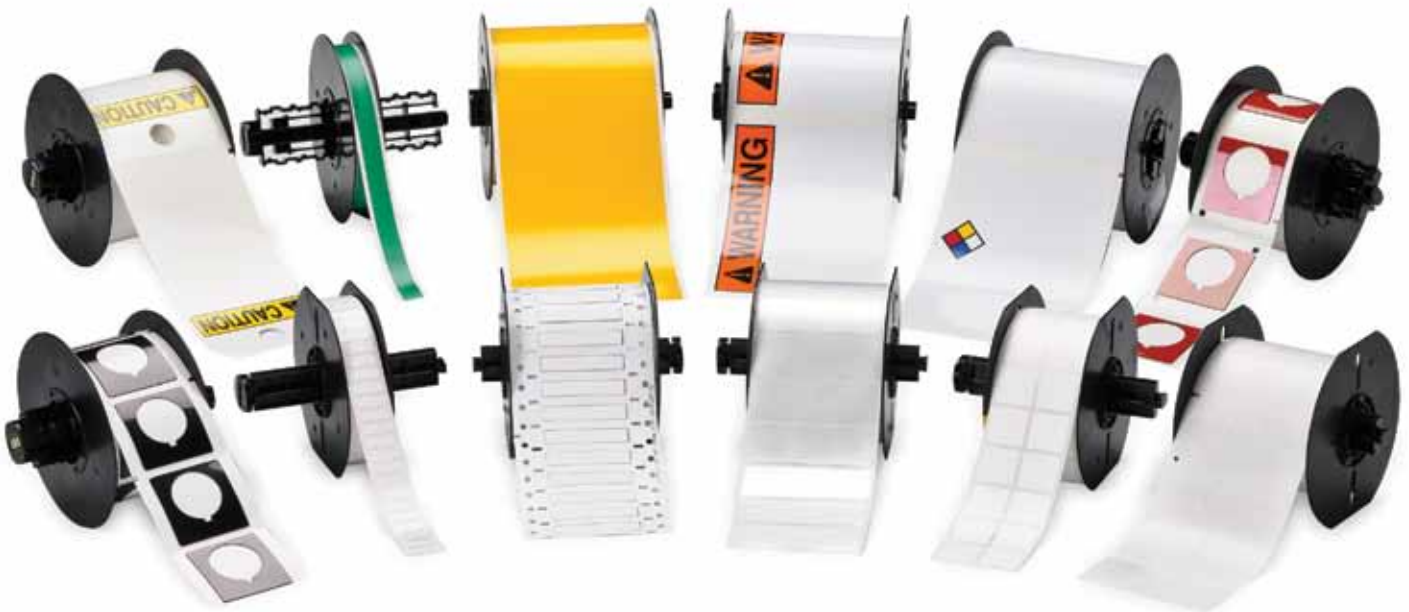
We make labels for specific applications. That's why we have hundreds of label types and sizes to choose from. And if you don't see the label you need we'll custom-produce it to your size and shape requirements. We want you to be 100% confident that you have the right label for your exact application.

## We set the bar high.

Brady materials lead the industry in durability and performance because we design and manufacture every label ourselves in our own facilities. We put our materials through rigorous, painstaking tests and trials – and nothing leaves our doors until it passes with flying colors.

## With label printing like this, the possibilities are endless.

**i** **When you see this...**  
BBP31 and BBP33  
It's letting you know which printer model each supply part can be used with.



## Pre-Printed Pre-Cut Blank Sign Headers (B-595)

For creating Arc Flash and safety warning labels in seconds.

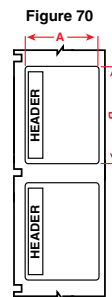
- Allows printer to create multicolor signs fast - in a single print pass
- Headers meet NFPA 70E, OSHA 1910.145 and ASME/ANSI Z535 standards
- Indoor/outdoor grade material conforms to rough, highly textured, and "difficult to adhere to" surfaces

Service temp: -40°F to 180°F Application temp: 0°F to 180°F  
Average Outdoor Durability: 8-10 years

Use these supplies with templates in the BBP®33 printer & MarkWare™ Software for arc flash labels and safety warning labels



| Fits Printer Model(s) | Diagram | Catalog #          | Header | Label Height A Inch (mm) | Label Width B Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon                  |
|-----------------------|---------|--------------------|--------|--------------------------|-------------------------|----------------|-----------------|------------------------------|
| BBP31, BBP33          | Fig. 70 | B30-241-595-OSHADA |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-25-595-OSHADA  |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-241-595-OSHACA |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-25-595-OSHACA  |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-241-595-ANSICA |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-25-595-ANSICA  |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-241-595-ANSIDA |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-25-595-ANSIDA  |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-241-595-ANSIWA |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-25-595-ANSIWA  |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-241-595-ANSINO |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-25-595-ANSINO  |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-242-595-BLNKWT |        | 1.125 (28.6)             | 2.850 (72.4)            | 1              | 300             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-241-595-BLNKWT |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-219-595-BLNKWT |        | 2.250 (57.5)             | 3.850 (97.8)            | 1              | 250             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-25-595-BLNKWT  |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-241-595-BLNKYL |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000 (black or colors) |
| BBP31, BBP33          | Fig. 70 | B30-25-595-BLNKYL  |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000 (black or colors) |



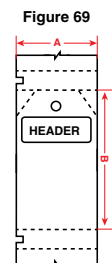
\*Pre-sized to fit blank rigid valve tags but can also be used on its own as general purpose label. \*\*Text area below header is yellow. Text area below all other sign headers is white.

## Non-Adhesive Pre-Printed & Pre-Cut Safety Tags (B-551)

Pre-printed and pre-cut to save you time!

- Non-adhesive semi-rigid polyester card stock
- Tags are pre-cut with hole and chamfered corners
- Perforated between tags
- Snap-in plastic grommets available for extra strength around mounting hole

Service temp: -40°F to 180°F Application temp: 0°F to 180°F  
Average Outdoor Durability: 8-10 years

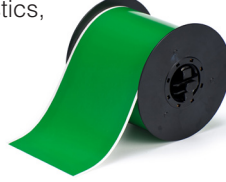


| Fits Printer Model(s) | Diagram | Catalog #          | Header | Tag Width A Inch (mm) | Tag Height B Inch (mm) | Tags Per Row | Tags Per Roll | Rec. Ribbon |
|-----------------------|---------|--------------------|--------|-----------------------|------------------------|--------------|---------------|-------------|
| BBP31, BBP33          | Fig. 69 | B30-255-551-ANSIDA |        | 3.250 (82.6)          | 5.750 (146.1)          | 1            | 100           | B30-R10000  |
| BBP31, BBP33          | Fig. 69 | B30-255-551-OSHADA |        | 3.250 (82.6)          | 5.750 (146.1)          | 1            | 100           | B30-R10000  |
| BBP31, BBP33          | Fig. 69 | B30-255-551-ANSICA |        | 3.250 (82.6)          | 5.750 (146.1)          | 1            | 100           | B30-R10000  |
| BBP31, BBP33          | Fig. 69 | B30-255-551-WHT    |        | 3.250 (82.6)          | 5.750 (146.1)          | 1            | 100           | B30-R10000  |

# Indoor/Outdoor Vinyl (B-595)

For general facility and safety identification: Our best industrial vinyl yet.

- Durable, low-shrink vinyl with our most aggressive adhesive
- Conforms to irregular, curved, rough and highly textured surfaces (painted cinder blocks, uneven wood, textured plastics, paper-jacketed pipes, powder-coated surfaces)
- Adheres to “difficult” low-surface energy items (PVC piping, blow-molded equipment cases, ABS plastics, recycled plastics)



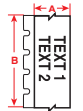
Service temp: -40°F to 180°F Application temp: 0°F to 180°F  
Average Outdoor Durability: 8-10 year outdoor vinyl label durability.

**Facility and Safety Applications:**

|                         |                             |
|-------------------------|-----------------------------|
| 5S Labels               | Equipment & Panel Labels    |
| Pipe Markers            | Arc Flash & Chemical Labels |
| Safety & Warning Labels | And More!                   |

| Fits Printer Model(s) | Diagram | Catalog #        | Color    | Label Width A Inch (mm) | Roll Length B Inch (mm) | Labels Per Roll       | Rec. Ribbon |
|-----------------------|---------|------------------|----------|-------------------------|-------------------------|-----------------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-500-595-WT  | White    | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-WT | White    | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-WT | White    | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-3000-595-WT | White    | 3.000 (76.2)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-WT | White    | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-YL  | Yellow   | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-YL | Yellow   | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-YL | Yellow   | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-3000-595-YL | Yellow   | 3.000 (76.2)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-YL | Yellow   | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-RD  | Red      | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-RD | Red      | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-RD | Red      | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-RD | Red      | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-BL  | Blue     | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-BL | Blue     | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-BL | Blue     | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-BL | Blue     | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-GN  | Green    | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-GN | Green    | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-GN | Green    | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-GN | Green    | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-OR  | Orange   | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-OR | Orange   | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-OR | Orange   | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-OR | Orange   | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-BK  | Black    | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-BK | Black    | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-BK | Black    | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-BK | Black    | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-BR  | Brown    | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-BR | Brown    | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-BR | Brown    | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-BR | Brown    | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-GD  | Gold     | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-GD | Gold     | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-GD | Gold     | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-GD | Gold     | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-GY  | Gray     | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-GY | Gray     | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-GY | Gray     | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-GY | Gray     | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-PL  | Purple   | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-PL | Purple   | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-PL | Purple   | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-PL | Purple   | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-CL  | Clear // | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-CL | Clear // | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-CL | Clear // | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-CL | Clear // | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |

Figure 33



U.S. Patent Nos. 5,823,689; 6,570,602. Additional Patents Pending.

# Low-Halide Polyester (B-569)

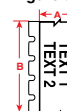
For labeling stainless steel and smooth surfaces.

- Low-halide content for labeling stainless steel pipes and surfaces
- Applies best to very smooth surfaces and ideal for mounting to rigid panels

Service temp: -40°F to 212°F Application temp: 0°F to 212°F  
Average Outdoor Durability: 3-5 years



Figure 33



| Fits Printer Model(s) | Diagram | Catalog #        | Color      | Label Width A Inch (mm) | Roll Length B Inch (mm) | Labels Per Roll       | Rec. Ribbon |
|-----------------------|---------|------------------|------------|-------------------------|-------------------------|-----------------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-500-569-CL  | Clear      | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-CL | Clear      | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-CL | Clear      | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-CL | Clear      | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-WT  | White      | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-WT | White      | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-WT | White      | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-3000-569-WT | White      | 3.000 (76.2)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-WT | White      | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-YL  | Yellow     | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-YL | Yellow     | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-YL | Yellow     | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-YL | Yellow     | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-RD  | Red        | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-RD | Red        | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-RD | Red        | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-RD | Red        | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-BL  | Blue       | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-BL | Blue       | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-BL | Blue       | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-BL | Blue       | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-LB  | Light Blue | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-LB | Light Blue | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-LB | Light Blue | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-LB | Light Blue | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-SB  | Sky Blue   | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-SB | Sky Blue   | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-SB | Sky Blue   | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-SB | Sky Blue   | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-GN  | Green      | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-GN | Green      | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-GN | Green      | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-GN | Green      | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-OR  | Orange     | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-OR | Orange     | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-OR | Orange     | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-OR | Orange     | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-BK  | Black      | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-BK | Black      | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-BK | Black      | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-BK | Black      | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-BR  | Brown      | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-BR | Brown      | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-BR | Brown      | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-BR | Brown      | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-OC  | Ochre      | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-OC | Ochre      | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-OC | Ochre      | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-OC | Ochre      | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-TN  | Tan        | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-TN | Tan        | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-TN | Tan        | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-TN | Tan        | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |

Low-Halide Polyester (B-569) cont.

| Fits Printer Model(s) | Diagram | Catalog #        | Color  | Label Width A Inch (mm) | Roll Length B Inch (mm) | Labels Per Roll       | Rec. Ribbon |
|-----------------------|---------|------------------|--------|-------------------------|-------------------------|-----------------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-500-569-GY  | Gray   | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-GY | Gray   | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-GY | Gray   | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-GY | Gray   | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-PL  | Purple | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-PL | Purple | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-PL | Purple | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-PL | Purple | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-PK  | Pink   | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-PK | Pink   | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-PK | Pink   | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-PK | Pink   | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |

Pre-Printed Right-To-Know Chemical Labels (B-595)

For quickly creating NFPA and Color Bar Labels.

- Allows printer to produce 5-color chemical labels in a single print pass
- Indoor/outdoor grade material withstands exposure to moisture, chemicals and handling

Service temp: -40°F to 180°F Application temp: 0°F to 180°F  
Average Outdoor Durability: 8 to 10 years



| Fits Printer Model(s) | Diagram | Catalog #        | Label Height A Inch (mm) | Label Width B Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|------------------|--------------------------|-------------------------|----------------|-----------------|-------------|
| BBP31, BBP33          |         | B30-244-595-NFPA | 2.250 (57.5)             | 2.250 (57.5)            | 1              | 365             | B30-R10000  |
| BBP31, BBP33          |         | B30-245-595-NFPA | 2.250 (57.5)             | 4.000 (101.6)           | 1              | 240             | B30-R10000  |
| BBP31, BBP33          |         | B30-243-595-NFPA | 4.000 (101.6)            | 6.250 (158.8)           | 1              | 170             | B30-R10000  |
| BBP31, BBP33          |         | B30-244-595-DIAM | 2.250 (57.5)             | 2.250 (57.5)            | 1              | 365             | B30-R10000  |
| BBP31, BBP33          |         | B30-161-595-DIAM | 4.000 (101.6)            | 4.000 (101.6)           | 1              | 240             | B30-R10000  |
| BBP31, BBP33          |         | B30-246-595-NFR  | 1.125 (28.6)             | 3.000 (76.2)            | 1              | 300             | B30-R10000  |
| BBP31, BBP33          |         | B30-244-595-CB   | 2.250 (57.5)             | 2.250 (57.5)            | 1              | 365             | B30-R10000  |
| BBP31, BBP33          |         | B30-245-595-CB   | 2.250 (57.5)             | 4.000 (101.6)           | 1              | 240             | B30-R10000  |
| BBP31, BBP33          |         | B30-243-595-CB   | 4.000 (101.6)            | 6.250 (158.8)           | 1              | 170             | B30-R10000  |
| BBP31, BBP33          |         | B30-244-595-HMIG | 2.250 (57.5)             | 2.250 (57.5)            | 1              | 365             | B30-R10000  |
| BBP31, BBP33          |         | B30-246-595-HMIG | 1.125 (28.6)             | 3.000 (76.2)            | 1              | 300             | B30-R10000  |



# Pre-Printed GHS / CLP Chemical Labels (B-7569)

Print 2-color GHS labels in one fast print pass!

- Blank labels with pre-printed red diamonds allow printer to produce 2-color GHS / CLP labels in one print pass
- 3 sizes of labels, each with 6 diamond layouts that match templates in MarkWare™ Software
- Indoor/outdoor vinyl material withstands exposure to moisture, chemicals and handling
- MarkWare Software v3.9.1 or higher required (upgrades available for current MarkWare owners)



Service temp: -4°F to 180°F Application temp: 50°F to 180°F  
Average Outdoor Durability: 3-5 years

| Fits Printer Model(s) | Diagram | Catalog #          | Label Height A Inch (mm) | Label Width B Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|--------------------|--------------------------|-------------------------|----------------|-----------------|-------------|
| BBP31, BBP33          |         | B30-260-7569-CLP1  | 2.170 (55.0)             | 3.350 (85.0)            | 1              | 340             | B30-R10000  |
| BBP31, BBP33          |         | B30-261-7569-CLP1  | 2.950 (75.0)             | 4.330 (110.0)           | 1              | 270             | B30-R10000  |
| BBP31, BBP33          |         | B30-262-7569-CLP1  | 4.130 (105.0)            | 6.100 (155.0)           | 1              | 200             | B30-R10000  |
| BBP31, BBP33          |         | B30-260-7569-CLP2  | 2.170 (55.0)             | 3.350 (85.0)            | 1              | 340             | B30-R10000  |
| BBP31, BBP33          |         | B30-261-7569-CLP2  | 2.950 (75.0)             | 4.330 (110.0)           | 1              | 270             | B30-R10000  |
| BBP31, BBP33          |         | B30-262-7569-CLP2  | 4.130 (105.0)            | 6.100 (155.0)           | 1              | 200             | B30-R10000  |
| BBP31, BBP33          |         | B30-260-7569-CLP3A | 2.170 (55.0)             | 3.350 (85.0)            | 1              | 340             | B30-R10000  |
| BBP31, BBP33          |         | B30-261-7569-CLP3A | 2.950 (75.0)             | 4.330 (110.0)           | 1              | 270             | B30-R10000  |
| BBP31, BBP33          |         | B30-262-7569-CLP3A | 4.130 (105.0)            | 6.100 (155.0)           | 1              | 200             | B30-R10000  |
| BBP31, BBP33          |         | B30-260-7569-CLP3B | 2.170 (55.0)             | 3.350 (85.0)            | 1              | 340             | B30-R10000  |
| BBP31, BBP33          |         | B30-261-7569-CLP3B | 2.950 (75.0)             | 4.330 (110.0)           | 1              | 270             | B30-R10000  |
| BBP31, BBP33          |         | B30-262-7569-CLP3B | 4.130 (105.0)            | 6.100 (155.0)           | 1              | 200             | B30-R10000  |
| BBP31, BBP33          |         | B30-260-7569-CLP4A | 2.170 (55.0)             | 3.350 (85.0)            | 1              | 340             | B30-R10000  |
| BBP31, BBP33          |         | B30-261-7569-CLP4A | 2.950 (75.0)             | 4.330 (110.0)           | 1              | 270             | B30-R10000  |
| BBP31, BBP33          |         | B30-262-7569-CLP4A | 4.130 (105.0)            | 6.100 (155.0)           | 1              | 200             | B30-R10000  |
| BBP31, BBP33          |         | B30-260-7569-CLP4B | 2.170 (55.0)             | 3.350 (85.0)            | 1              | 340             | B30-R10000  |
| BBP31, BBP33          |         | B30-261-7569-CLP4B | 2.950 (75.0)             | 4.330 (110.0)           | 1              | 270             | B30-R10000  |
| BBP31, BBP33          |         | B30-262-7569-CLP4B | 4.130 (105.0)            | 6.100 (155.0)           | 1              | 200             | B30-R10000  |

## MarkWare™ Software now includes a GHS / CLP Label Module

- 18 pre-formatted label layouts and approved GHS symbols are built-in – no need to set up the layout
- User selects approved pre-worded hazard statements and GHS symbols which then automatically populates into layout – no need to type everything in
- Prompts for additional variable data which then auto-populates into layout
- Indoor/outdoor vinyl material withstands exposure to moisture, chemicals and handling
- Choose a second language and MarkWare auto-populates in the second language
- Contains templates for BBP31/BBP33, Globalmark and MiniMark

Catalog #20700 (current MarkWare users: upgrades to v3.9.1 are available.  
Go to [www.BradyID.com/markware](http://www.BradyID.com/markware))



## Non-Adhesive Continuous Tag Stock (B-551)

For safety, lockout and general purpose hang-tagging.

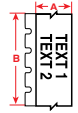
- Non-adhesive, semi-rigid tag stock
- Easy to hole-punch; optional snap-in grommets available
- Meets OSHA 50 lb. pullout spec for lockout tags

Service temp: -40°F to 193°F Average Outdoor Durability: up to 2 years  
Thickness: 0.35mm



| Fits Printer Model(s) | Diagram | Catalog #        | Color | Label Width A Inch (mm) | Roll Length B Inch (mm) | Tags Per Roll         | Rec. Ribbon |
|-----------------------|---------|------------------|-------|-------------------------|-------------------------|-----------------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-2500-551-WT | White | 2.500 (63.5)            | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-3250-551-WT | White | 3.250 (82.6)            | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4250-551-WT | White | 4.250 (107.9)           | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |

Figure 33



## Retro Reflective Tape (B-584)

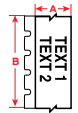
For highly reflective identification that shines back brightly when struck by light.

- Ideal for labeling outdoor utility poles and pedestals, jobsite equipment and roof-top equipment
- Recommended for low light or inclement weather conditions

Service temp: -40°F to 158°F  
Application temp: 0°F to 158°F (yellow & orange), 50°F to 158°F (silver)  
Average Outdoor Durability: 4 to 6 years



Figure 33



| Fits Printer Model(s) | Diagram | Catalog #        | Color  | Label Width A Inch (mm) | Roll Length B Inch (mm) | Labels Per Roll       | Rec. Ribbon |
|-----------------------|---------|------------------|--------|-------------------------|-------------------------|-----------------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-1125-584-SL | Silver | 1.125 (28.6)            | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-584-SL | Silver | 2.250 (57.5)            | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-584-SL | Silver | 4.000 (101.6)           | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-584-YL | Yellow | 1.125 (28.6)            | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-584-YL | Yellow | 2.250 (57.5)            | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-584-YL | Yellow | 4.000 (101.6)           | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-584-OR | Orange | 1.125 (28.6)            | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-584-OR | Orange | 2.250 (57.5)            | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-584-OR | Orange | 4.000 (101.6)           | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |

## BradyGlo™ High-Intensity Photoluminescent Tape (B-526)

For glow-in-the-dark identification up to 10 hours!

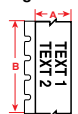
- Designed for directional and evacuation marking
- Ideal for marking emergency utility shut-offs, fire extinguishers, alarm pulls, and vital equipment controls
- Complies with indoor use requirements specified in RS 6-1 and 6-1A of New York Local Law 26

Service temp: -40°F to 140°F Application temp: 40°F to 140°F



| Fits Printer Model(s) | Diagram | Catalog #     | Color          | Label Width A Inch (mm) | Roll Length B Inch (mm) | Labels Per Roll       | Rec. Ribbon |
|-----------------------|---------|---------------|----------------|-------------------------|-------------------------|-----------------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-1125-526 | Luminous Green | 1.125 (28.6)            | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-526 | Luminous Green | 2.250 (57.5)            | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-526 | Luminous Green | 4.000 (101.6)           | 50ft. (15.2m)           | - continuous supply - | B30-R10000  |

Figure 33



## Printable Magnetic Supply (B-509)

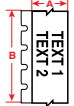
Easiest and quickest material for removing and repositioning.

- Non-adhesive magnetic material that can be printed on directly
- Ideal for reusable and repositionable identification applications

Service temp: 0°F to 158°F  
Average Outdoor Durability: 3 to 5 years



Figure 33



| Fits Printer Model(s) | Diagram | Catalog #        | Color  | Label Width A Inch (mm) | Roll Length B Inch (mm) | Labels Per Roll       | Rec. Ribbon |
|-----------------------|---------|------------------|--------|-------------------------|-------------------------|-----------------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-2500-509-WT | White  | 2.500 (63.5)            | 25ft (7.62m)            | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4250-509-WT | White  | 4.250 (107.8)           | 25ft (7.62m)            | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2500-509-YL | Yellow | 2.500 (63.5)            | 25ft (7.62m)            | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4250-509-YL | Yellow | 4.250 (107.8)           | 25ft (7.62m)            | - continuous supply - | B30-R10000  |

## Repositionable Vinyl (B-581)

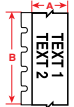
For 5S and lean applications.

- Aggressive adhesive stays in place but removes cleanly without leaving adhesive residue
- Ideal for temporary, removable, and repositionable labels, like 5S and lean inventory labels

Service temp: -40°F to 180°F Application temp: 50°F to 180°F  
Average Outdoor Durability: 5 years



Figure 33



| Fits Printer Model(s) | Diagram | Catalog #        | Color  | Label Width A Inch (mm) | Roll Length B Inch (mm) | Labels Per Roll       | Rec. Ribbon |
|-----------------------|---------|------------------|--------|-------------------------|-------------------------|-----------------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-500-581-WT  | White  | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-581-WT | White  | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-581-WT | White  | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-581-WT | White  | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-581-YL  | Yellow | 0.500 (12.7)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-581-YL | Yellow | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-581-YL | Yellow | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-581-YL | Yellow | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |

## Cold Temperature Application Material (B-549)

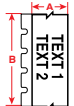
For identification in temperatures as cold as -40°F.

- Special adhesive permanently adheres to extremely cold surfaces
- Can be applied in -10°F and lasts in -40°F
- Ideal for cold storage warehouses, coolers, freezers, and short-term winter outdoor use

Service temp: -40°F to 212°F Application temp: -10°F to 212°F  
Average Outdoor Durability: Up to 1 year



Figure 33



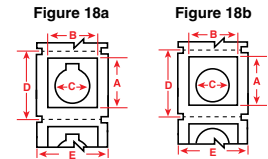
| Fits Printer Model(s) | Diagram | Catalog #        | Color  | Label Width A Inch (mm) | Roll Length B Inch (mm) | Labels Per Roll       | Rec. Ribbon |
|-----------------------|---------|------------------|--------|-------------------------|-------------------------|-----------------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-1125-549-WT | White  | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-549-WT | White  | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-549-WT | White  | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-549-YL | Yellow | 1.125 (28.6)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-549-YL | Yellow | 2.250 (57.5)            | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-549-YL | Yellow | 4.000 (101.6)           | 100ft. (30.5m)          | - continuous supply - | B30-R10000  |

# Raised Profile Labels - Engraved Plate Substitutes (B-593) Push Button Style

Costs up to 80% less than engraved legend plates.

- High gloss, polyester label with thick raised profile and ultra-aggressive adhesive (0.70mm thick)
- High performance, low cost substitute to engraved plates
- 10-year outdoor durability rating
- On-demand labeling: labels print out in less than 4 seconds
- 5 push button sizes (including keyed and non-keyed 22.5mm, and 30.5mm hole diameter keyed)

Service temp: -4°F to 212°F Application temp: 50°F to 212°F  
Average Outdoor Durability: Up to 10 years  
Agency approvals:



| Fits Printer Model(s) | Diagram  | Catalog #         | Color  | Hole Diameter C<br>Inch (mm) | Label Height A<br>Inch (mm) | Label Width B<br>Inch (mm) | Vert. Repeat D<br>Inch (mm) | Web Width E<br>Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon  |
|-----------------------|----------|-------------------|--------|------------------------------|-----------------------------|----------------------------|-----------------------------|--------------------------|----------------|-----------------|--------------|
| BBP31, BBP33          | Fig. 18a | B30EP-167-593-BK  | Black  | 0.885 (22.5)                 | 1.500 (38.1)                | 1.200 (30.5)               | 1.750 (44.5)                | 2.500 (63.5)             | 1              | 200             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18a | B30EP-167-593-GN  | Green  | 0.885 (22.5)                 | 1.500 (38.1)                | 1.200 (30.5)               | 1.750 (44.5)                | 2.500 (63.5)             | 1              | 200             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18a | B30EP-167-593-RD  | Red    | 0.885 (22.5)                 | 1.500 (38.1)                | 1.200 (30.5)               | 1.750 (44.5)                | 2.500 (63.5)             | 1              | 200             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18a | B30EP-167-593-WT  | White  | 0.885 (22.5)                 | 1.500 (38.1)                | 1.200 (30.5)               | 1.750 (44.5)                | 2.500 (63.5)             | 1              | 200             | B30-R6000    |
| BBP31, BBP33          | Fig. 18a | B30EP-167-593-YL  | Yellow | 0.885 (22.5)                 | 1.500 (38.1)                | 1.200 (30.5)               | 1.750 (44.5)                | 2.500 (63.5)             | 1              | 200             | B30-R6000    |
| BBP31, BBP33          | Fig. 18b | B30EP-167U-593-BK | Black  | 0.885 (22.5)                 | 1.500 (38.1)                | 1.200 (30.5)               | 1.750 (44.5)                | 2.500 (63.5)             | 1              | 200             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18b | B30EP-167U-593-GN | Green  | 0.885 (22.5)                 | 1.500 (38.1)                | 1.200 (30.5)               | 1.750 (44.5)                | 2.500 (63.5)             | 1              | 200             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18b | B30EP-167U-593-RD | Red    | 0.885 (22.5)                 | 1.500 (38.1)                | 1.200 (30.5)               | 1.750 (44.5)                | 2.500 (63.5)             | 1              | 200             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18b | B30EP-167U-593-WT | White  | 0.885 (22.5)                 | 1.500 (38.1)                | 1.200 (30.5)               | 1.750 (44.5)                | 2.500 (63.5)             | 1              | 200             | B30-R6000    |
| BBP31, BBP33          | Fig. 18b | B30EP-167U-593-YL | Yellow | 0.885 (22.5)                 | 1.500 (38.1)                | 1.200 (30.5)               | 1.750 (44.5)                | 2.500 (63.5)             | 1              | 200             | B30-R6000    |
| BBP31, BBP33          | Fig. 18a | B30EP-168-593-BK  | Black  | 0.885 (22.5)                 | 1.900 (48.3)                | 1.200 (30.5)               | 2.125 (54.0)                | 2.500 (63.5)             | 1              | 180             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18a | B30EP-168-593-GN  | Green  | 0.885 (22.5)                 | 1.900 (48.3)                | 1.200 (30.5)               | 2.125 (54.0)                | 2.500 (63.5)             | 1              | 180             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18a | B30EP-168-593-RD  | Red    | 0.885 (22.5)                 | 1.900 (48.3)                | 1.200 (30.5)               | 2.125 (54.0)                | 2.500 (63.5)             | 1              | 180             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18a | B30EP-168-593-WT  | White  | 0.885 (22.5)                 | 1.900 (48.3)                | 1.200 (30.5)               | 2.125 (54.0)                | 2.500 (63.5)             | 1              | 180             | B30-R6000    |
| BBP31, BBP33          | Fig. 18a | B30EP-168-593-YL  | Yellow | 0.885 (22.5)                 | 1.900 (48.3)                | 1.200 (30.5)               | 2.125 (54.0)                | 2.500 (63.5)             | 1              | 180             | B30-R6000    |
| BBP31, BBP33          | Fig. 18a | B30EP-169-593-BK  | Black  | 1.200 (30.5)                 | 1.800 (45.7)                | 1.800 (45.7)               | 2.000 (50.8)                | 2.500 (63.5)             | 1              | 190             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18a | B30EP-169-593-GN  | Green  | 1.200 (30.5)                 | 1.800 (45.7)                | 1.800 (45.7)               | 2.000 (50.8)                | 2.500 (63.5)             | 1              | 190             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18a | B30EP-169-593-RD  | Red    | 1.200 (30.5)                 | 1.800 (45.7)                | 1.800 (45.7)               | 2.000 (50.8)                | 2.500 (63.5)             | 1              | 190             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18a | B30EP-169-593-WT  | White  | 1.200 (30.5)                 | 1.800 (45.7)                | 1.800 (45.7)               | 2.000 (50.8)                | 2.500 (63.5)             | 1              | 190             | B30-R6000    |
| BBP31, BBP33          | Fig. 18a | B30EP-169-593-YL  | Yellow | 1.200 (30.5)                 | 1.800 (45.7)                | 1.800 (45.7)               | 2.000 (50.8)                | 2.500 (63.5)             | 1              | 190             | B30-R6000    |
| BBP31, BBP33          | Fig. 18a | B30EP-170-593-BK  | Black  | 1.200 (30.5)                 | 2.400 (60.9)                | 2.400 (60.9)               | 2.625 (66.7)                | 3.250 (82.6)             | 1              | 145             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18a | B30EP-170-593-GN  | Green  | 1.200 (30.5)                 | 2.400 (60.9)                | 2.400 (60.9)               | 2.625 (66.7)                | 3.250 (82.6)             | 1              | 145             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18a | B30EP-170-593-RD  | Red    | 1.200 (30.5)                 | 2.400 (60.9)                | 2.400 (60.9)               | 2.625 (66.7)                | 3.250 (82.6)             | 1              | 145             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18a | B30EP-170-593-WT  | White  | 1.200 (30.5)                 | 2.400 (60.9)                | 2.400 (60.9)               | 2.625 (66.7)                | 3.250 (82.6)             | 1              | 145             | B30-R6000    |
| BBP31, BBP33          | Fig. 18a | B30EP-170-593-YL  | Yellow | 1.200 (30.5)                 | 2.400 (60.9)                | 2.400 (60.9)               | 2.625 (66.7)                | 3.250 (82.6)             | 1              | 145             | B30-R6000    |



## Calculate Your Cost Savings

A 1" x 2" rectangular raised profile label costs approximately \$0.60, lasts up to 10 years outdoors and prints in seconds! A 22.5mm push button label will cost you about \$0.32!

**What are you paying for engraved plates?**



# Raised Profile Labels - Engraved Plate Substitutes (B-593) Rectangular Style

Costs up to 80% less than engraved legend plates.

- High gloss, polyester label with thick raised profile and ultra-aggressive adhesive (0.70mm thick)
- Ideal for inside-panel backer board labels and front-of-enclosure labeling
- Up to 80% less than engraved plates and print out in about 4 seconds
- No need to abbreviate your text to avoid per character engraving charges
- 10-year outdoor durability rating
- 6 colors, 7 rectangular sizes

Service temp: -4°F to 212°F Application temp: 50°F to 212°F  
Average Outdoor Durability: Up to 10 years  
Agency approvals:   

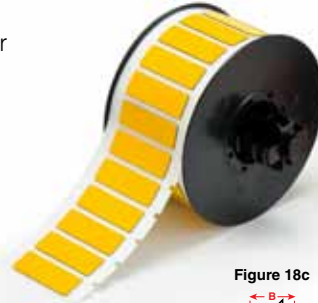
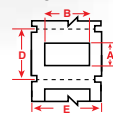


Figure 18c



| Fits Printer Model(s) | Diagram  | Catalog #        | Color  | Label Height A<br>Inch (mm) | Label Width B<br>Inch (mm) | Vert. Repeat D<br>Inch (mm) | Web Width E<br>Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon  |
|-----------------------|----------|------------------|--------|-----------------------------|----------------------------|-----------------------------|--------------------------|----------------|-----------------|--------------|
| BBP31, BBP33          | Fig. 18c | B30EP-171-593-BK | Black  | 0.490 (12.5)                | 1.060 (26.9)               | 0.750 (19.1)                | 1.375 (34.9)             | 1              | 500             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-171-593-GN | Green  | 0.490 (12.5)                | 1.060 (26.9)               | 0.750 (19.1)                | 1.375 (34.9)             | 1              | 500             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-171-593-RD | Red    | 0.490 (12.5)                | 1.060 (26.9)               | 0.750 (19.1)                | 1.375 (34.9)             | 1              | 500             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-171-593-SL | Silver | 0.490 (12.5)                | 1.060 (26.9)               | 0.750 (19.1)                | 1.375 (34.9)             | 1              | 500             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-171-593-WT | White  | 0.490 (12.5)                | 1.060 (26.9)               | 0.750 (19.1)                | 1.375 (34.9)             | 1              | 500             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-171-593-YL | Yellow | 0.490 (12.5)                | 1.060 (26.9)               | 0.750 (19.1)                | 1.375 (34.9)             | 1              | 500             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-172-593-BK | Black  | 0.590 (15.0)                | 1.770 (45.0)               | 0.850 (21.6)                | 2.500 (63.5)             | 1              | 450             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-172-593-GN | Green  | 0.590 (15.0)                | 1.770 (45.0)               | 0.850 (21.6)                | 2.500 (63.5)             | 1              | 450             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-172-593-RD | Red    | 0.590 (15.0)                | 1.770 (45.0)               | 0.850 (21.6)                | 2.500 (63.5)             | 1              | 450             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-172-593-SL | Silver | 0.590 (15.0)                | 1.770 (45.0)               | 0.850 (21.6)                | 2.500 (63.5)             | 1              | 450             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-172-593-WT | White  | 0.590 (15.0)                | 1.770 (45.0)               | 0.850 (21.6)                | 2.500 (63.5)             | 1              | 450             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-172-593-YL | Yellow | 0.590 (15.0)                | 1.770 (45.0)               | 0.850 (21.6)                | 2.500 (63.5)             | 1              | 450             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-173-593-BK | Black  | 1.000 (25.4)                | 2.000 (50.8)               | 1.250 (31.8)                | 2.500 (63.5)             | 1              | 300             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-173-593-GN | Green  | 1.000 (25.4)                | 2.000 (50.8)               | 1.250 (31.8)                | 2.500 (63.5)             | 1              | 300             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-173-593-RD | Red    | 1.000 (25.4)                | 2.000 (50.8)               | 1.250 (31.8)                | 2.500 (63.5)             | 1              | 300             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-173-593-SL | Silver | 1.000 (25.4)                | 2.000 (50.8)               | 1.250 (31.8)                | 2.500 (63.5)             | 1              | 300             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-173-593-WT | White  | 1.000 (25.4)                | 2.000 (50.8)               | 1.250 (31.8)                | 2.500 (63.5)             | 1              | 300             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-173-593-YL | Yellow | 1.000 (25.4)                | 2.000 (50.8)               | 1.250 (31.8)                | 2.500 (63.5)             | 1              | 300             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-174-593-BK | Black  | 1.000 (25.4)                | 4.000 (101.6)              | 1.250 (31.8)                | 4.250 (108.0)            | 1              | 300             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-174-593-GN | Green  | 1.000 (25.4)                | 4.000 (101.6)              | 1.250 (31.8)                | 4.250 (108.0)            | 1              | 300             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-174-593-RD | Red    | 1.000 (25.4)                | 4.000 (101.6)              | 1.250 (31.8)                | 4.250 (108.0)            | 1              | 300             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-174-593-SL | Silver | 1.000 (25.4)                | 4.000 (101.6)              | 1.250 (31.8)                | 4.250 (108.0)            | 1              | 300             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-174-593-WT | White  | 1.000 (25.4)                | 4.000 (101.6)              | 1.250 (31.8)                | 4.250 (108.0)            | 1              | 300             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-174-593-YL | Yellow | 1.000 (25.4)                | 4.000 (101.6)              | 1.250 (31.8)                | 4.250 (108.0)            | 1              | 300             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-175-593-BK | Black  | 0.750 (19.1)                | 3.000 (76.2)               | 1.000 (25.4)                | 3.250 (82.6)             | 1              | 375             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-175-593-GN | Green  | 0.750 (19.1)                | 3.000 (76.2)               | 1.000 (25.4)                | 3.250 (82.6)             | 1              | 375             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-175-593-WT | White  | 0.750 (19.1)                | 3.000 (76.2)               | 1.000 (25.4)                | 3.250 (82.6)             | 1              | 375             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-175-593-YL | Yellow | 0.750 (19.1)                | 3.000 (76.2)               | 1.000 (25.4)                | 3.250 (82.6)             | 1              | 375             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-176-593-BK | Black  | 1.000 (25.4)                | 3.000 (76.2)               | 1.250 (31.8)                | 3.250 (82.6)             | 1              | 300             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-176-593-GN | Green  | 1.000 (25.4)                | 3.000 (76.2)               | 1.250 (31.8)                | 3.250 (82.6)             | 1              | 300             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-176-593-WT | White  | 1.000 (25.4)                | 3.000 (76.2)               | 1.250 (31.8)                | 3.250 (82.6)             | 1              | 300             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-176-593-YL | Yellow | 1.000 (25.4)                | 3.000 (76.2)               | 1.250 (31.8)                | 3.250 (82.6)             | 1              | 300             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-177-593-BK | Black  | 2.500 (63.5)                | 3.000 (76.2)               | 2.750 (69.9)                | 3.250 (82.6)             | 1              | 125             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-177-593-GN | Green  | 2.500 (63.5)                | 3.000 (76.2)               | 2.750 (69.9)                | 3.250 (82.6)             | 1              | 125             | B30-R4400-WT |
| BBP31, BBP33          | Fig. 18c | B30EP-177-593-WT | White  | 2.500 (63.5)                | 3.000 (76.2)               | 2.750 (69.9)                | 3.250 (82.6)             | 1              | 125             | B30-R6000    |
| BBP31, BBP33          | Fig. 18c | B30EP-177-593-YL | Yellow | 2.500 (63.5)                | 3.000 (76.2)               | 2.750 (69.9)                | 3.250 (82.6)             | 1              | 125             | B30-R6000    |

# Inside-Panel Component Labels (B-498, B-499, B-483, B-593, B-595)

For automation & electrical panels and enclosures.

- Various sizes in several durable material types
- Ideal for marking backer board, DIN rail, relays, PLCs, switches, solenoids, drive motors and other components
- All recommended materials are flexible and have high-tack adhesives for adhesion to wide variety of surfaces and components



**B-498:** Service temp: -40°F to 175°F

**B-499:** Service temp: -40°F to 193°F

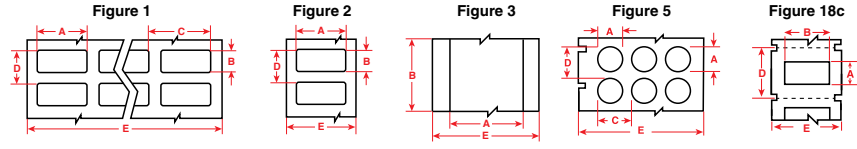
**B-483:** Service temp: -40°F to 248°F

All above: Agency approvals:

**B-593:** Service temp: -4°F to 212°F

Agency approvals:

**B-595:** Service temp: -40°F to 180°F, 8-10 years ave outdoor durability



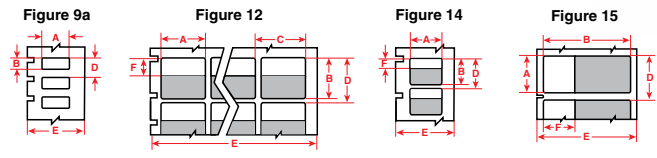
| Fits Printer Model(s)   | Diagram  | Catalog #        | Color  | Label Width A Inch (mm) | Label Height B Inch (mm) | Horiz. Repeat C Inch (mm) | Vert. Repeat D Inch (mm) | Web Width E Inch (mm) | Labels Per Row        | Labels Per Roll | Rec. Ribbon  |
|---|----------|------------------|--------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|-----------------------|-----------------|--------------|
| <b>Vinyl Cloth - Aggressive but repositionable adhesive (B-498):</b>                                      |          |                  |        |                         |                          |                           |                          |                       |                       |                 |              |
| BBP33 only  | Fig 1    | B33-90-498       | White  | 0.250 (6.4)             | 1.437 (36.5)             | 0.350 (8.9)               | 1.562 (39.7)             | 2.200 (55.9)          | 6                     | 2500            | B30-R6200    |
| BBP33 only  | Fig 1    | B33-87-498       | White  | 0.500 (12.7)            | 1.437 (36.5)             | 0.600 (15.2)              | 1.562 (39.7)             | 3.700 (94.0)          | 6                     | 2500            | B30-R6200    |
| BBP33 only  | Fig 1    | B33-68-498       | White  | 0.500 (12.7)            | 0.750 (19.1)             | 0.600 (15.2)              | 0.875 (22.2)             | 2.500 (63.5)          | 4                     | 5000            | B30-R6200    |
| BBP33 only  | Fig 1    | B33-1-498        | White  | 0.750 (19.1)            | 0.250 (6.4)              | 0.800 (20.3)              | 0.350 (8.9)              | 3.350 (85.1)          | 4                     | 5000            | B30-R6200    |
| BBP33 only  | Fig 1    | B33-95-498       | White  | 0.800 (20.3)            | 1.437 (36.5)             | 0.900 (22.9)              | 1.562 (39.7)             | 2.800 (71.1)          | 3                     | 2500            | B30-R6200    |
| BBP33 only  | Fig 1    | B33-88-498       | White  | 1.000 (25.4)            | 0.750 (19.1)             | 1.100 (27.9)              | 0.875 (22.2)             | 2.300 (58.4)          | 2                     | 2500            | B30-R6200    |
| BBP33 only  | Fig 1    | B33-89-498       | White  | 1.000 (25.4)            | 1.437 (36.5)             | 1.100 (27.9)              | 1.562 (39.7)             | 3.400 (86.4)          | 3                     | 2500            | B30-R6200    |
| BBP33 only  | Fig 1    | B33-5-498        | White  | 1.000 (25.4)            | 0.500 (12.7)             | 1.075 (27.3)              | 0.600 (15.2)             | 3.350 (85.1)          | 3                     | 5000            | B30-R6200    |
| <b>Nylon Cloth - Permanent adhesive (B-499):</b>  |          |                  |        |                         |                          |                           |                          |                       |                       |                 |              |
| BBP33 only  | Fig 5    | B33-143-499      | White  | 0.375 (9.5 dia)         |                          | 0.475 (12.1)              | 0.500 (12.7)             | 2.000 (50.8)          | 4                     | 1500            | B30-R6000    |
| BBP33 only  | Fig 1    | B33-144-499      | White  | 0.500 (12.7)            | 0.500 (12.7)             | 0.600 (15.2)              | 0.625 (15.9)             | 1.900 (48.3)          | 3                     | 1500            | B30-R6000    |
| BBP33 only  | Fig 1    | B33-68-499       | White  | 0.500 (12.7)            | 0.750 (19.1)             | 0.600 (15.2)              | 0.875 (22.2)             | 2.500 (63.5)          | 4                     | 1500            | B30-R6000    |
| BBP33 only  | Fig 1    | B33-165-499      | White  | 0.800 (20.3)            | 1.437 (36.5)             | 0.900 (22.9)              | 1.562 (39.7)             | 3.700 (94.0)          | 4                     | 2500            | B30-R6000    |
| BBP33 only  | Fig 2    | B33-136-499      | White  | 1.500 (38.1)            | 0.750 (19.1)             |                           | 0.875 (22.2)             | 1.770 (45.0)          | 1                     | 1500            | B30-R6000    |
| BBP33 only  | Fig 2    | B33-137-499      | White  | 2.000 (50.8)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 2.200 (55.9)          | 1                     | 1300            | B30-R6000    |
| <b>Polyester - Ultra aggressive adhesive for highly textured and low surface energy surfaces (B-483):</b> |          |                  |        |                         |                          |                           |                          |                       |                       |                 |              |
| BBP33 only  | Fig 1    | B33-5-483        | White  | 1.000 (25.4)            | 0.500 (12.7)             | 1.075 (27.3)              | 0.600 (15.2)             | 3.350 (85.1)          | 3                     | 5000            | B30-R6000    |
| BBP33 only  | Fig 2    | B33-17-483       | White  | 2.000 (50.8)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 2.200 (55.9)          | 1                     | 1500            | B30-R6000    |
| BBP33 only  | Fig 2    | B33-18-483       | White  | 3.000 (76.2)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 3.200 (81.3)          | 1                     | 1500            | B30-R6000    |
| BBP33 only  | Fig 2    | B33-19-483       | White  | 3.000 (76.2)            | 2.000 (50.8)             |                           | 2.125 (54)               | 3.200 (81.3)          | 1                     | 500             | B30-R6000    |
| <b>Raised Profile Labels - Engraved plate substitute labels (B-593*):</b>                                 |          |                  |        |                         |                          |                           |                          |                       |                       |                 |              |
| BBP31, BBP33  | Fig. 18c | B30EP-171-593-WT | White  | 0.490 (12.5)            | 1.060 (26.9)             |                           | 0.750 (19.1)             | 1.375 (34.9)          | 1                     | 500             | B30-R6000    |
| BBP31, BBP33  | Fig. 18c | B30EP-171-593-SL | Silver | 0.490 (12.5)            | 1.060 (26.9)             |                           | 0.750 (19.1)             | 1.375 (34.9)          | 1                     | 500             | B30-R6000    |
| BBP31, BBP33  | Fig. 18c | B30EP-171-593-BK | Black  | 0.490 (12.5)            | 1.060 (26.9)             |                           | 0.750 (19.1)             | 1.375 (34.9)          | 1                     | 500             | B30-R4400-WT |
| * 11 additional sizes and 3 more colors available for B-593 - see pp. 10-11.                              |          |                  |        |                         |                          |                           |                          |                       |                       |                 |              |
| <b>Continuous cut-to-length vinyl - Permanent adhesive, conformable; indoor/outdoor grade (B-595):</b>    |          |                  |        |                         |                          |                           |                          |                       |                       |                 |              |
| BBP31, BBP33  | Fig. 3   | B30C-500-595-WT  | White  | 0.500 (12.7)            | 100 ft. (30.5m)          |                           |                          | 0.700 (17.8)          | - continuous supply - |                 | B30-R10000   |
| BBP31, BBP33  | Fig. 3   | B30C-500-595-YL  | Yellow | 0.500 (12.7)            | 100 ft. (30.5m)          |                           |                          | 0.700 (17.8)          | - continuous supply - |                 | B30-R10000   |
| BBP31, BBP33  | Fig. 3   | B30C-1125-595-WT | White  | 1.125 (28.6)            | 100 ft. (30.5m)          |                           |                          | 1.375 (34.9)          | - continuous supply - |                 | B30-R10000   |
| BBP31, BBP33  | Fig. 3   | B30C-1125-595-YL | Yellow | 1.125 (28.6)            | 100 ft. (30.5m)          |                           |                          | 1.375 (34.9)          | - continuous supply - |                 | B30-R10000   |

# Self-Laminating Vinyl Wire & Cable Labels (B-427)

Brady's most popular wire marker!

- Features white printable area with clear "tail" that wraps around marker to protect text
- Superior resistance to abrasion, handling, solvents, water, oil and dirt
- Permanent acrylic adhesive designed specifically for tightly curved surfaces

Service temp: -40°F to 158°F  
Agency Approvals:



| Fits Printer Model(s) | Diagram | Catalog #     | 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) | Print Area Height F Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|---------------|-------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|-------------------------------|----------------|-----------------|-------------|
| BBP33 only            | Fig. 12 | B33-113-427   | White | 0.500 (12.7)            | 1.000 (25.4)             | 0.600 (15.2)              | 1.125 (28.6)             | 2.500 (63.5)          | 0.375 (9.5)                   | 4              | 2500            | B30-R4300   |
| BBP33 only            | Fig. 12 | B33-80-427    | White | 0.500 (12.7)            | 0.750 (19.1)             | 0.600 (15.2)              | 0.950 (24.1)             | 2.500 (63.5)          | 0.375 (9.5)                   | 4              | 2500            | B30-R4300   |
| BBP33 only            | Fig. 12 | B33-8-427     | White | 0.500 (12.7)            | 1.437 (36.5)             | 0.662 (16.8)              | 1.625 (41.3)             | 3.350 (85.1)          | 0.500 (12.7)                  | 5              | 5000            | B30-R4300   |
| BBP33 only            | Fig. 12 | B33-56-427    | White | 0.750 (19.1)            | 0.937 (23.8)             | 0.800 (20.3)              | 1.125 (28.6)             | 3.350 (85.1)          | 0.375 (9.5)                   | 4              | 5000            | B30-R4300   |
| BBP33 only            | Fig. 12 | B33-73-427    | White | 0.750 (19.1)            | 1.750 (44.6)             | 0.800 (20.3)              | 1.875 (47.6)             | 3.350 (85.1)          | 0.500 (12.7)                  | 4              | 5000            | B30-R4300   |
| BBP33 only            | Fig. 12 | B33-74-427    | White | 0.800 (20.3)            | 1.437 (36.5)             | 0.800 (20.3)              | 1.625 (41.3)             | 3.400 (86.4)          | 0.500 (12.7)                  | 4              | 5000            | B30-R4300   |
| BBP33 only            | Fig. 12 | B33-10-427    | White | 1.000 (25.4)            | 3.750 (95.3)             | 1.075 (27.3)              | 4.000 (101.6)            | 3.350 (85.1)          | 1.000 (25.4)                  | 3              | 1500            | B30-R4300   |
| BBP33 only            | Fig. 12 | B33-116-427   | White | 1.000 (25.4)            | 1.000 (25.4)             | 1.100 (27.9)              | 1.125 (28.6)             | 2.300 (58.4)          | 0.375 (9.5)                   | 2              | 2500            | B30-R4300   |
| BBP33 only            | Fig. 15 | B33-131-427   | White | 1.000 (25.4)            | 2.625 (66.7)             |                           | 1.125 (28.6)             | 2.825 (71.8)          | 1.000 (25.4)                  | 1              | 1500            | B30-R4300   |
| BBP33 only            | Fig. 12 | B33-75-427    | White | 1.000 (25.4)            | 2.250 (57.2)             | 1.100 (27.9)              | 2.375 (60.3)             | 2.300 (58.4)          | 0.750 (19.1)                  | 2              | 1500            | B30-R4300   |
| BBP33 only            | Fig. 12 | B33-81-427    | White | 1.000 (25.4)            | 6.000 (152.4)            | 1.100 (27.9)              | 6.187 (157.1)            | 2.300 (58.4)          | 1.500 (38.1)                  | 2              | 500             | B30-R4300   |
| BBP33 only            | Fig. 12 | B33-9-427     | White | 1.000 (25.4)            | 1.437 (36.5)             | 1.075 (27.3)              | 1.625 (41.3)             | 3.350 (85.1)          | 0.500 (12.7)                  | 3              | 2500            | B30-R4300   |
| BBP33 only            | Fig. 14 | B33-118-427   | White | 1.500 (38.1)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 1.700 (43.2)          | 0.375 (9.5)                   | 1              | 1250            | B30-R4300   |
| BBP33 only            | Fig. 14 | B33-119-427   | White | 1.500 (38.1)            | 1.500 (38.1)             |                           | 1.625 (41.3)             | 1.700 (43.2)          | 0.500 (12.7)                  | 1              | 1000            | B30-R4300   |
| BBP33 only            | Fig. 9a | B33-135-427AW | White | 1.500 (38.1)            | 0.750 (19.1)             |                           | 0.875 (22.2)             | 1.700 (43.2)          |                               | 1              | 1500            | B30-R4300   |
| BBP33 only            | Fig. 14 | B33-120-427   | White | 1.750 (44.5)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 1.950 (49.5)          | 0.375 (9.5)                   | 1              | 1250            | B30-R4300   |
| BBP33 only            | Fig. 14 | B33-121-427   | White | 1.750 (44.5)            | 1.500 (38.1)             |                           | 1.625 (41.3)             | 1.950 (49.5)          | 0.500 (12.7)                  | 1              | 1000            | B30-R4300   |
| BBP33 only            | Fig. 9a | B33-137-427AW | White | 2.000 (50.8)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 2.200 (55.9)          |                               | 1              | 1500            | B30-R4300   |
| BBP33 only            | Fig. 14 | B33-27-427    | White | 2.000 (50.8)            | 3.750 (95.3)             |                           | 4.000 (101.6)            | 2.200 (55.9)          | 1.000 (25.4)                  | 1              | 500             | B30-R4300   |
| BBP33 only            | Fig. 14 | B33-26-427    | White | 2.500 (63.5)            | 2.250 (57.2)             |                           | 2.438 (61.9)             | 2.700 (68.8)          | 0.750 (19.1)                  | 1              | 500             | B30-R4300   |



## Did You Know?

The BBP®33 Printer is compatible with the following Brady labeling software:

- MarkWare™ Software
- LabelMark™ Software
- CodeSoft™ Labeling Software

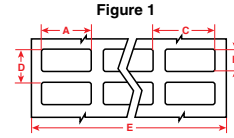


## Repositionable Vinyl Cloth Wire & Cable Label (B-498)

Holds strong but can be removed cleanly & reapplied.

- A vinyl cloth label for marking wires, cables and inside-panel components
- Highly unique adhesive and cloth construction gives excellent holding power and still allows for clean removal and reapplication
- Ideal choice for marking both ends of a wire that you may need to cut shorter before final termination

Service temp: -40°F to 175°F  
Agency Approvals:



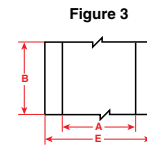
| Fits Printer Model(s) | Diagram | Catalog #   | Color | Label Width A Inch (mm) | Label Height B Inch (mm) | Horiz. Repeat C Inch (mm) | Vert. Repeat D Inch (mm) | Web Width E Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|-------------|-------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|----------------|-----------------|-------------|
| BBP33 only            | Fig. 1  | B33-90-498  | White | 0.250 (6.4)             | 1.437 (36.5)             | 0.350 (8.9)               | 1.562 (39.7)             | 2.200 (55.9)          | 6              | 2500            | B30-R6200   |
| BBP33 only            | Fig. 1  | B33-68-498  | White | 0.500 (12.7)            | 0.750 (19.1)             | 0.600 (15.2)              | 0.875 (22.2)             | 2.500 (63.5)          | 4              | 5000            | B30-R6200   |
| BBP33 only            | Fig. 1  | B33-87-498  | White | 0.500 (12.7)            | 1.437 (36.5)             | 0.600 (15.2)              | 1.562 (39.7)             | 3.700 (94)            | 6              | 2500            | B30-R6200   |
| BBP33 only            | Fig. 1  | B33-14-498  | White | 0.650 (16.5)            | 0.200 (5.1)              | 0.700 (17.8)              | 0.300 (7.6)              | 2.950 (74.9)          | 4              | 5000            | B30-R6200   |
| BBP33 only            | Fig. 1  | B33-1-498   | White | 0.750 (19.1)            | 0.250 (6.4)              | 0.800 (20.3)              | 0.350 (8.9)              | 3.350 (85.1)          | 4              | 5000            | B30-R6200   |
| BBP33 only            | Fig. 1  | B33-91-498  | White | 0.750 (19.1)            | 0.937 (23.8)             | 0.850 (21.6)              | 1.062 (27)               | 3.500 (88.9)          | 4              | 2500            | B30-R6200   |
| BBP33 only            | Fig. 1  | B33-165-498 | White | 0.800 (20.3)            | 1.437 (36.5)             | 0.900 (22.9)              | 1.562 (39.7)             | 3.700 (94)            | 4              | 2500            | B30-R6200   |
| BBP33 only            | Fig. 1  | B33-95-498  | White | 0.800 (20.3)            | 1.437 (36.5)             | 0.900 (22.9)              | 1.562 (39.7)             | 2.800 (71.1)          | 3              | 2500            | B30-R6200   |
| BBP33 only            | Fig. 1  | B33-5-498   | White | 1.000 (25.4)            | 0.500 (12.7)             | 1.075 (27.3)              | 0.600 (15.2)             | 3.350 (85.1)          | 3              | 5000            | B30-R6200   |
| BBP33 only            | Fig. 1  | B33-88-498  | White | 1.000 (25.4)            | 0.750 (19.1)             | 1.100 (27.9)              | 0.875 (22.2)             | 2.300 (58.4)          | 2              | 2500            | B30-R6200   |
| BBP33 only            | Fig. 1  | B33-89-498  | White | 1.000 (25.4)            | 1.437 (36.5)             | 1.100 (27.9)              | 1.562 (39.7)             | 3.400 (86.4)          | 3              | 2500            | B30-R6200   |

## Adhesive Terminal Block Labels (B-498)

Holds strong but can be removed cleanly & reapplied.

- Specially designed narrow-width continuous label for alignment on terminal blocks and patch panels
- Highly unique adhesive and vinyl cloth construction gives excellent holding power and still allows for clean removal and reapplication

Service temp: -40°F to 175°F  
Agency Approvals:



| Fits Printer Model(s) | Diagram | Catalog #    | 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 Roll | Rec. Ribbon |
|-----------------------|---------|--------------|-------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|-----------------------|-----------------|-------------|
| BBP33 only            | Fig. 3  | B33C-240-498 | White | 0.240 (6.1)             | 85 ft. (25.9m)           |                           |                          | 1.000 (25.4)          | - continuous supply - |                 | B30-R6200   |
| BBP33 only            | Fig. 3  | B33C-312-498 | White | 0.312 (7.9)             | 85 ft. (25.9m)           |                           |                          | 1.000 (25.4)          | - continuous supply - |                 | B30-R6200   |
| BBP33 only            | Fig. 3  | B33C-375-498 | White | 0.375 (9.5)             | 85 ft. (25.9m)           |                           |                          | 1.000 (25.4)          | - continuous supply - |                 | B30-R6200   |



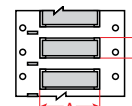
# PermaSleeve® PS Polyolefin Wire Marking Sleeves (B-342)

Standard Military/Industrial Grade. 3:1 Shrink ratio.

- A 3:1 heat shrinkable wire marker sleeve that fits snugly around wires
- Can be used for identification or wire protection
- Fade-resistant and flame-retardant
- Meets the following insulating and physical property specifications:
  - SAE-AMS-DTL-23053/5C (class 1)
  - SAE-AS-81531
  - MIL-STD-202
  - Tested per ASTM E162, ASTM E662



Figure 20



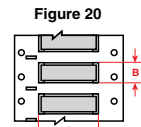
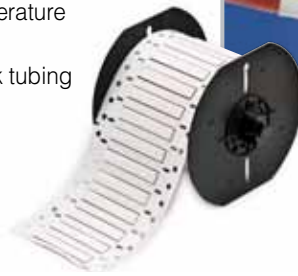
Service temp: -40°F to 267°F (short burst max temp: 5 min at 500°F, 24 hrs at 350°F)  
Agency Approvals:

| Fits Printer Model(s)                              | Catalog #         | Color  | For Wire Gauge (approx.) | For Wire Diameters Inch (mm) Min. Max. | Supplied Diameter A Inch (mm) | Recovered Diameter Inch (mm) | Recovered Wall Thickness Inch (mm) | Sleeves per Row | Sleeves per Roll     | Rec. Ribbon |
|--|-------------------|--------|--------------------------|--|-------------------------------|------------------------------|------------------------------------|-----------------|----------------------|-------------|
| <b>Single-side printable, 2" sleeve width (B):</b> |                   |        |                          |  |                               |                              |                                    |                 |                      |             |
| BBP33 only   | B33-94-2-342      | White  | 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               | 1000                 | B30-R4300   |
| BBP33 only   | B33-94-2-342YL    | Yellow | 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               | 1000                 | B30-R4300   |
| BBP33 only   | B33-125-2-342     | White  | 22 to 16                 | 0.046 (1.2) - 1.110 (2.8)              | 0.125 (3.2)                   | 0.047 (1.2)                  | .020 (0.5) +/- .003 (0.07)         | 1               | 1000                 | B30-R4300   |
| BBP33 only   | B33-125-2-342YL   | Yellow | 22 to 16                 | 0.046 (1.2) - 1.110 (2.8)              | 0.125 (3.2)                   | 0.047 (1.2)                  | .020 (0.5) +/- .003 (0.07)         | 1               | 1000                 | B30-R4300   |
| BBP33 only   | B33-187-2-342     | White  | 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               | 1000                 | B30-R4300   |
| BBP33 only   | B33-187-2-342-2   | White  | 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               | 2000 (1000 w/o slit) | B30-R4300   |
| BBP33 only   | B33-187-2-342YL   | Yellow | 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               | 1000                 | B30-R4300   |
| BBP33 only   | B33-250-2-342     | White  | 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               | 500                  | B30-R4300   |
| BBP33 only   | B33-250-2-342-2   | White  | 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               | 1000 (500 w/o slit)  | B30-R4300   |
| BBP33 only   | B33-250-2-342YL   | Yellow | 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               | 500                  | B30-R4300   |
| BBP33 only   | B33-375-2-342     | White  | 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               | 250                  | B30-R4300   |
| BBP33 only   | B33-375-2-342-2   | White  | 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               | 500 (250 w/o slit)   | B30-R4300   |
| BBP33 only   | B33-375-2-342YL   | Yellow | 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               | 250                  | B30-R4300   |
| BBP33 only   | B33-500-2-342     | White  | 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               | 250                  | B30-R4300   |
| BBP33 only   | B33-500-2-342YL   | Yellow | 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               | 250                  | B30-R4300   |
| BBP33 only   | B33-750-2-342     | White  | 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               | 100                  | B30-R4300   |
| BBP33 only   | B33-750-2-342YL   | Yellow | 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               | 100                  | B30-R4300   |
| BBP33 only   | B33-1000-2-342    | White  | 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               | 100                  | B30-R4300   |
| BBP33 only   | B33-1000-2-342YL  | Yellow | 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               | 100                  | B30-R4300   |
| BBP33 only   | B33-1500-2-342    | White  | N/A                      | 0.500 (12.7) - 1.400 (35.6)            | 1.500 (38.1)                  | 0.500 (12.7)                 | .035 (0.9) +/- .003 (0.07)         | 1               | 100                  | B30-R4300   |
| BBP33 only   | B33-1500-2-342BK  | Black  | N/A                      | 0.500 (12.7) - 1.400 (35.6)            | 1.500 (38.1)                  | 0.500 (12.7)                 | .035 (0.9) +/- .003 (0.07)         | 1               | 100                  | B30-4500-SV |
| BBP33 only   | B33-1500-2-342YL  | Yellow | N/A                      | 0.500 (12.7) - 1.400 (35.6)            | 1.500 (38.1)                  | 0.500 (12.7)                 | .035 (0.9) +/- .003 (0.07)         | 1               | 100                  | B30-R4300   |
| <b>Double-side printable, 2" sleeve width (B):</b> |                   |        |                          |  |                               |                              |                                    |                 |                      |             |
| BBP33 only   | B33D-94-2-342     | White  | 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               | 1000                 | B30-R4300   |
| BBP33 only   | B33D-94-2-342BK   | Black  | 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               | 1000                 | B30-4500-SV |
| BBP33 only   | B33D-94-2-342YL   | Yellow | 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               | 1000                 | B30-R4300   |
| BBP33 only   | B33D-125-2-342    | White  | 22 to 16                 | 0.046 (1.2) - 1.110 (2.8)              | 0.125 (3.2)                   | 0.047 (1.2)                  | .020 (0.5) +/- .003 (0.07)         | 1               | 1000                 | B30-R4300   |
| BBP33 only   | B33D-125-2-342BK  | Black  | 22 to 16                 | 0.046 (1.2) - 1.110 (2.8)              | 0.125 (3.2)                   | 0.047 (1.2)                  | .020 (0.5) +/- .003 (0.07)         | 1               | 1000                 | B30-4500-SV |
| BBP33 only   | B33D-125-2-342YL  | Yellow | 22 to 16                 | 0.046 (1.2) - 1.110 (2.8)              | 0.125 (3.2)                   | 0.047 (1.2)                  | .020 (0.5) +/- .003 (0.07)         | 1               | 1000                 | B30-R4300   |
| BBP33 only   | B33D-187-2-342    | White  | 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               | 1000                 | B30-R4300   |
| BBP33 only   | B33D-187-2-342BK  | Black  | 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               | 1000                 | B30-4500-SV |
| BBP33 only   | B33D-187-2-342YL  | Yellow | 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               | 1000                 | B30-R4300   |
| BBP33 only   | B33D-250-2-342    | White  | 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               | 500                  | B30-R4300   |
| BBP33 only   | B33D-250-2-342BK  | Black  | 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               | 500                  | B30-4500-SV |
| BBP33 only   | B33D-250-2-342YL  | Yellow | 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               | 500                  | B30-R4300   |
| BBP33 only   | B33D-375-2-342    | White  | 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               | 250                  | B30-R4300   |
| BBP33 only   | B33D-375-2-342BK  | Black  | 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               | 250                  | B30-4500-SV |
| BBP33 only   | B33D-375-2-342YL  | Yellow | 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               | 250                  | B30-R4300   |
| BBP33 only   | B33D-500-2-342    | White  | 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               | 250                  | B30-R4300   |
| BBP33 only   | B33D-500-2-342BK  | Black  | 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               | 250                  | B30-4500-SV |
| BBP33 only   | B33D-500-2-342YL  | Yellow | 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               | 250                  | B30-R4300   |
| BBP33 only   | B33D-750-2-342    | White  | 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               | 100                  | B30-R4300   |
| BBP33 only   | B33D-750-2-342BK  | Black  | 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               | 100                  | B30-4500-SV |
| BBP33 only   | B33D-750-2-342YL  | Yellow | 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               | 100                  | B30-R4300   |
| BBP33 only   | B33D-1000-2-342   | White  | 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               | 100                  | B30-R4300   |
| BBP33 only   | B33D-1000-2-342BK | Black  | 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               | 100                  | B30-4500-SV |
| BBP33 only   | B33D-1000-2-342YL | Yellow | 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               | 100                  | B30-R4300   |
| BBP33 only   | B33D-1500-2-342   | White  | N/A                      | 0.500 (12.7) - 1.400 (35.6)            | 1.500 (38.1)                  | 0.500 (12.7)                 | .035 (0.9) +/- .003 (0.07)         | 1               | 100                  | B30-R4300   |
| BBP33 only   | B33D-1500-2-342BK | Black  | N/A                      | 0.500 (12.7) - 1.400 (35.6)            | 1.500 (38.1)                  | 0.500 (12.7)                 | .035 (0.9) +/- .003 (0.07)         | 1               | 100                  | B30-4500-SV |
| BBP33 only   | B33D-1500-2-342YL | Yellow | N/A                      | 0.500 (12.7) - 1.400 (35.6)            | 1.500 (38.1)                  | 0.500 (12.7)                 | .035 (0.9) +/- .003 (0.07)         | 1               | 100                  | B30-R4300   |

# PermaSleeve® HT High Temperature PVDF Wire Marking Sleeves (B-345)

High temperature, low outgassing. 2:1 Shrink ratio.

- A 2:1 shrink ratio wire marker sleeve specifically designed for high temperature and low vacuum outgassing applications
- Made from irradiated high-temp Polyvinylidene Fluoride (PVDF) heat shrink tubing
- Fade-resistant and flame-retardant
- Meets the following industry specifications:
  - NASA SP-R-0022A Outgassing Performance
  - Tested per ASTM E162, ASTM E662, SAE-AMS-DTL-23053/18 (class 2)
  - MIL-STD-202
  - SAE-AS-81531



Service temp: -67°F to 437°F Agency Approvals for HT and HX Sleeves: **RoHS**

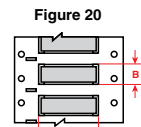
| Fits Printer Model(s)                              | Catalog #         | Color | For Wire Gauge (approx.) | For Wire Diameters Inch (mm) Min. Max. | Supplied Diameter A Inch (mm) | Recovered Diameter Inch (mm) | Recovered Wall Thickness Inch (mm) | Sleeves per Row | Sleeves per Roll | Rec. Ribbon  |
|--|-------------------|-------|--------------------------|--|-------------------------------|------------------------------|------------------------------------|-----------------|------------------|--------------|
| <b>Double-side printable, 2" sleeve width (B):</b> |                   |       |                          |  |                               |                              |                                    |                 |                  |              |
| BBP33 only   | B33D-94-2-345     | White | 26 to 20*                | 0.031 (0.8) - 0.080 (2.0)              | 0.094 (2.4)                   | 0.031 (0.8)                  | .015 (0.4) +/- .003 (0.07)         | 1               | 250              | B30-R6000    |
| BBP33 only   | B33D-94-2-345BK   | Black | 26 to 20*                | 0.031 (0.8) - 0.080 (2.0)              | 0.094 (2.4)                   | 0.031 (0.8)                  | .015 (0.4) +/- .003 (0.07)         | 1               | 250              | B30-R4400-WT |
| BBP33 only   | B33D-125-2-345    | White | 20 to 16                 | 0.063 (1.6) - 0.110 (2.8)              | 0.125 (3.2)                   | 0.062 (1.6)                  | .015 (0.4) +/- .003 (0.07)         | 1               | 250              | B30-R6000    |
| BBP33 only   | B33D-125-2-345BK  | Black | 20 to 16                 | 0.063 (1.6) - 0.110 (2.8)              | 0.125 (3.2)                   | 0.062 (1.6)                  | .015 (0.4) +/- .003 (0.07)         | 1               | 250              | B30-R4400-WT |
| BBP33 only   | B33D-187-2-345    | White | 16 to 10                 | 0.094 (2.4) - 0.150 (3.8)              | 0.187 (4.7)                   | 0.093 (2.4)                  | .015 (0.4) +/- .003 (0.07)         | 1               | 250              | B30-R6000    |
| BBP33 only   | B33D-187-2-345BK  | Black | 16 to 10                 | 0.094 (2.4) - 0.150 (3.8)              | 0.187 (4.7)                   | 0.093 (2.4)                  | .015 (0.4) +/- .003 (0.07)         | 1               | 250              | B30-R4400-WT |
| BBP33 only   | B33D-250-2-345    | White | 12 to 8                  | 0.125 (3.2) - 0.215 (5.5)              | 0.250 (6.4)                   | 0.125 (3.2)                  | .015 (0.4) +/- .003 (0.07)         | 1               | 250              | B30-R6000    |
| BBP33 only   | B33D-250-2-345BK  | Black | 12 to 8                  | 0.125 (3.2) - 0.215 (5.5)              | 0.250 (6.4)                   | 0.125 (3.2)                  | .015 (0.4) +/- .003 (0.07)         | 1               | 250              | B30-R4400-WT |
| BBP33 only   | B33D-375-2-345    | White | 8 to 4                   | 0.187 (3.2) - 0.320 (8.1)              | 0.375 (9.5)                   | 0.187 (4.7)                  | .015 (0.4) +/- .003 (0.07)         | 1               | 100              | B30-R6000    |
| BBP33 only   | B33D-375-2-345BK  | Black | 8 to 4                   | 0.187 (3.2) - 0.320 (8.1)              | 0.375 (9.5)                   | 0.187 (4.7)                  | .015 (0.4) +/- .003 (0.07)         | 1               | 100              | B30-R4400-WT |
| BBP33 only   | B33D-500-2-345    | White | 6 to 1                   | 0.250 (6.4) - 0.450 (11.4)             | 0.500 (12.7)                  | 0.250 (6.4)                  | .015 (0.4) +/- .003 (0.07)         | 1               | 100              | B30-R6000    |
| BBP33 only   | B33D-500-2-345BK  | Black | 6 to 1                   | 0.250 (6.4) - 0.450 (11.4)             | 0.500 (12.7)                  | 0.250 (6.4)                  | .015 (0.4) +/- .003 (0.07)         | 1               | 100              | B30-R4400-WT |
| BBP33 only   | B33D-750-2-345    | White | 2 to 4/0                 | 0.375 (9.5) - 0.700 (17.8)             | 0.750 (19.0)                  | 0.375 (9.5)                  | .015 (0.4) +/- .003 (0.07)         | 1               | 50               | B30-R6000    |
| BBP33 only   | B33D-750-2-345BK  | Black | 2 to 4/0                 | 0.375 (9.5) - 0.700 (17.8)             | 0.750 (19.0)                  | 0.375 (9.5)                  | .015 (0.4) +/- .003 (0.07)         | 1               | 50               | B30-R4400-WT |
| BBP33 only   | B33D-1000-2-345   | White | 2/0 to 0.950 dia         | 0.450 (11.4) - 0.950 (24.1)            | 1.000 (25.4)                  | 0.500 (12.7)                 | .017 (0.4) +/- .004 (0.1)          | 1               | 50               | B30-R6000    |
| BBP33 only   | B33D-1000-2-345BK | Black | 2/0 to 0.950 dia         | 0.450 (11.4) - 0.950 (24.1)            | 1.000 (25.4)                  | 0.500 (12.7)                 | .017 (0.4) +/- .004 (0.1)          | 1               | 50               | B30-R4400-WT |
| BBP33 only   | B33D-1500-2-345   | White | N/A                      | 0.750 (19.1) - 1.400 (35.6)            | 1.500 (38.1)                  | 0.750 (19.1)                 | .024 (0.6) +/- .004 (0.1)          | 1               | 50               | B30-R6000    |
| BBP33 only   | B33D-1500-2-345BK | Black | N/A                      | 0.750 (19.1) - 1.400 (35.6)            | 1.500 (38.1)                  | 0.750 (19.1)                 | .024 (0.6) +/- .004 (0.1)          | 1               | 50               | B30-R4400-WT |

\* This size only is 3:1 shrink ratio.

# PermaSleeve® HX Polyolefin Wire Marking Sleeves (B-7642)

Military/Industrial Grade. 2:1 Shrink ratio.

- A 2:1 heat shrinkable wire marker sleeve that fits snugly around wires
- Flame retardant and high-temp rated but not as high temp as B-345 "HT" sleeves
- Meets the following industry specifications:
  - SAE-AMS-DTL-23053/5 (class 1 and 3)
  - SAE-AS-81531
  - MIL-STD-202
  - Tested per ASTM E162, ASTM E662



Service temp: -40°F to 248°F (short burst max temp: 5 min at 464°F, 24 hrs at 320°F)

| Fits Printer Model(s)                              | Catalog #        | Color | For Wire Gauge (approx.) | For Wire Diameters Inch (mm) Min. Max. | Supplied Diameter A Inch (mm) | Recovered Diameter Inch (mm) | Recovered Wall Thickness Inch (mm) | Sleeves per Row | Sleeves per Roll | Rec. Ribbon |
|--|------------------|-------|--------------------------|--|-------------------------------|------------------------------|------------------------------------|-----------------|------------------|-------------|
| <b>Single-side printable, 2" sleeve width (B):</b> |                  |       |                          |  |                               |                              |                                    |                 |                  |             |
| BBP33 only   | B33-94-2-7642    | White | 24 to 20                 | 0.047 (1.2) - 0.080 (2.0)              | 0.094 (2.4)                   | 0.047 (1.2)                  | .020 (0.5) +/- .003 (0.07)         | 1               | 500              | B30-R4300   |
| BBP33 only   | B33-125-2-7642   | White | 20 to 16                 | 0.062 (1.6) - 0.110 (2.8)              | 0.125 (3.2)                   | 0.063 (1.6)                  | .020 (0.5) +/- .003 (0.07)         | 1               | 500              | B30-R4300   |
| BBP33 only   | B33-187-2-7642   | White | 16 to 10                 | 0.094 (2.4) - 0.151 (3.8)              | 0.187 (4.8)                   | 0.094 (2.4)                  | .020 (0.5) +/- .003 (0.07)         | 1               | 500              | B30-R4300   |
| BBP33 only   | B33-250-2-7642   | White | 12 to 8                  | 0.125 (3.2) - 0.215 (5.5)              | 0.250 (6.4)                   | 0.126 (3.2)                  | .025 (0.6) +/- .003 (0.07)         | 1               | 500              | B30-R4300   |
| BBP33 only   | B33-375-2-7642   | White | 8 to 4                   | 0.188 (4.8) - 0.320 (8.1)              | 0.375 (9.5)                   | 0.189 (4.8)                  | .025 (0.6) +/- .003 (0.07)         | 1               | 250              | B30-R4300   |
| BBP33 only   | B33-500-2-7642   | White | 6 to 1                   | 0.250 (6.4) - 0.450 (11.4)             | 0.500 (12.7)                  | 0.252 (6.4)                  | .025 (0.6) +/- .003 (0.07)         | 1               | 250              | B30-R4300   |
| BBP33 only   | B33-750-2-7642   | White | 2 to 4/0                 | 0.375 (9.5) - 0.700 (17.8)             | 0.750 (19.0)                  | 0.374 (9.5)                  | .030 (0.8) +/- .003 (0.07)         | 1               | 150              | B30-R4300   |
| BBP33 only   | B33-1000-2-7642  | White | 2/0 to 0.950 dia         | 0.450 (11.4) - 0.950 (24.1)            | 1.000 (25.4)                  | 0.500 (12.7)                 | .035 (0.9) +/- .005 (0.1)          | 1               | 150              | B30-R4300   |
| BBP33 only   | B33-1500-2-7642  | White | N/A                      | 0.750 (19.0) - 1.400 (35.6)            | 1.500 (38.1)                  | 0.752 (19.1)                 | .040 (1.0) +/- .006 (0.2)          | 1               | 50               | B30-R4300   |
| BBP33 only   | B33-2000-2-7642  | White | N/A                      | 1.000 (25.4) - 1.900 (48.3)            | 2.000 (50.8)                  | 1.000 (25.4)                 | .045 (1.1) +/- .007 (0.2)          | 1               | 50               | B30-R4300   |
| <b>Double-side printable, 2" sleeve width (B):</b> |                  |       |                          |  |                               |                              |                                    |                 |                  |             |
| BBP33 only   | B33D-94-2-7642   | White | 24 to 20                 | 0.047 (1.2) - 0.080 (2.0)              | 0.094 (2.4)                   | 0.047 (1.2)                  | .020 (0.5) +/- .003 (0.07)         | 1               | 500              | B30-R4300   |
| BBP33 only   | B33D-125-2-7642  | White | 20 to 16                 | 0.062 (1.6) - 0.110 (2.8)              | 0.125 (3.2)                   | 0.063 (1.6)                  | .020 (0.5) +/- .003 (0.07)         | 1               | 500              | B30-R4300   |
| BBP33 only   | B33D-187-2-7642  | White | 16 to 10                 | 0.094 (2.4) - 0.151 (3.8)              | 0.187 (4.8)                   | 0.094 (2.4)                  | .020 (0.5) +/- .003 (0.07)         | 1               | 500              | B30-R4300   |
| BBP33 only   | B33D-250-2-7642  | White | 12 to 8                  | 0.125 (3.2) - 0.215 (5.5)              | 0.250 (6.4)                   | 0.126 (3.2)                  | .025 (0.6) +/- .003 (0.07)         | 1               | 500              | B30-R4300   |
| BBP33 only   | B33D-375-2-7642  | White | 8 to 4                   | 0.188 (4.8) - 0.320 (8.1)              | 0.375 (9.5)                   | 0.189 (4.8)                  | .025 (0.6) +/- .003 (0.07)         | 1               | 250              | B30-R4300   |
| BBP33 only   | B33D-500-2-7642  | White | 6 to 1                   | 0.250 (6.4) - 0.450 (11.4)             | 0.500 (12.7)                  | 0.252 (6.4)                  | .025 (0.6) +/- .003 (0.07)         | 1               | 250              | B30-R4300   |
| BBP33 only   | B33D-750-2-7642  | White | 2 to 4/0                 | 0.375 (9.5) - 0.700 (17.8)             | 0.750 (19.0)                  | 0.374 (9.5)                  | .030 (0.8) +/- .003 (0.07)         | 1               | 150              | B30-R4300   |
| BBP33 only   | B33D-1000-2-7642 | White | 2/0 to 0.950 dia         | 0.450 (11.4) - 0.950 (24.1)            | 1.000 (25.4)                  | 0.500 (12.7)                 | .035 (0.9) +/- .005 (0.1)          | 1               | 150              | B30-R4300   |
| BBP33 only   | B33D-1500-2-7642 | White | N/A                      | 0.750 (19.0) - 1.400 (35.6)            | 1.500 (38.1)                  | 0.752 (19.1)                 | .040 (1.0) +/- .006 (0.2)          | 1               | 50               | B30-R4300   |
| BBP33 only   | B33D-2000-2-7642 | White | N/A                      | 1.000 (25.4) - 1.900 (48.3)            | 2.000 (50.8)                  | 1.000 (25.4)                 | .045 (1.1) +/- .007 (0.2)          | 1               | 50               | B30-R4300   |

## Polyester Labels (B-423, B-430, B-432, B483, B-489)

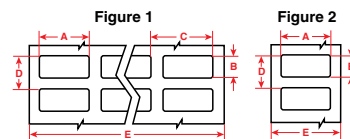
For general purpose industrial ID applications.

- Widely used for PC board component ID, bin and shelf labels, barcoding and asset tracking
- 3 levels of adhesive strength

**B-423, B-483, B-489:** Service temp: -94°F to 248°F

**B-430, B432:** Service temp: -40°F to 212°F

All materials have approvals:



| Fits Printer Model(s)  | Diagram | Catalog #  | 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 Roll | Rec. Ribbon |
|--|---------|------------|-------------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|----------------|-----------------|-------------|
| <b>Standard adhesive (B-423 white, B-430 clear):</b>                                   |         |            |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only   | Fig. 1  | B33-5-423  | Gloss White | 1.000 (25.4)            | 0.500 (12.7)             | 1.075 (27.3)              | 0.600 (15.2)             | 3.350 (85.1)          | 3              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-17-423 | Gloss White | 2.000 (50.8)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 2.200 (55.9)          | 1              | 1500            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-17-430 | Clear       | 2.000 (50.8)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 2.200 (55.9)          | 1              | 1500            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-18-423 | Gloss White | 3.000 (76.2)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 3.200 (81.3)          | 1              | 1500            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-18-430 | Clear       | 3.000 (76.2)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 3.200 (81.3)          | 1              | 1500            | B30-R6000   |
| <b>Stronger adhesive for textured surfaces (B-432 clear):</b>                          |         |            |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only   | Fig. 1  | B33-5-432  | Clear       | 1.000 (25.4)            | 0.500 (12.7)             | 1.075 (27.3)              | 0.600 (15.2)             | 3.350 (85.1)          | 3              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-17-432 | Clear       | 2.000 (50.8)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 2.200 (55.9)          | 1              | 1500            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-18-432 | Clear       | 3.000 (76.2)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 3.200 (81.3)          | 1              | 1500            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-19-432 | Clear       | 3.000 (76.2)            | 2.000 (50.8)             |                           | 2.125 (54.0)             | 3.200 (81.3)          | 1              | 500             | B30-R6000   |
| <b>Ultra aggressive adhesive for highly textured surfaces (B-483 and B-489 white):</b> |         |            |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only   | Fig. 1  | B33-5-483  | Gloss White | 1.000 (25.4)            | 0.500 (12.7)             | 1.075 (27.3)              | 0.600 (15.2)             | 3.350 (85.1)          | 3              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 1  | B33-5-489  | Matte White | 1.000 (25.4)            | 0.500 (12.7)             | 1.075 (27.3)              | 0.600 (15.2)             | 3.350 (85.1)          | 3              | 5000            | B30-R4300   |
| BBP33 only   | Fig. 2  | B33-17-483 | Gloss White | 2.000 (50.8)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 2.200 (55.9)          | 1              | 1500            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-17-489 | Matte White | 2.000 (50.8)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 2.200 (55.9)          | 1              | 1500            | B30-R4300   |
| BBP33 only   | Fig. 2  | B33-18-483 | Gloss White | 3.000 (76.2)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 3.200 (81.3)          | 1              | 1500            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-19-483 | Gloss White | 3.000 (76.2)            | 2.000 (50.8)             |                           | 2.125 (54.0)             | 3.200 (81.3)          | 1              | 500             | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-18-489 | Matte White | 3.000 (76.2)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 3.200 (81.3)          | 1              | 1500            | B30-R4300   |
| BBP33 only   | Fig. 2  | B33-19-489 | Matte White | 3.000 (76.2)            | 2.000 (50.8)             |                           | 2.125 (54.0)             | 3.200 (81.3)          | 1              | 500             | B30-R4300   |

## Metallized Polyester Labels (B-428, B-434, B-486, B-438)

For product labeling, asset tracking and general industrial ID.

- Silver metallic label withstands solvents and variable temperatures
- Ideal for serial number plates and rating plates with name-plate quality and metal-looking finish
- 3 adhesive strengths/gloss configurations to meet your needs

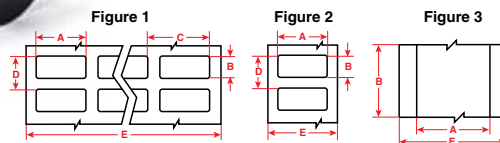
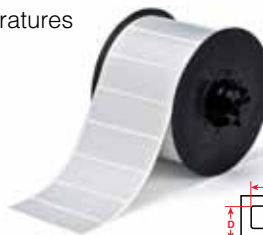
**B-428:** Service temp: -40°F to 293°F

**B-434:** Service temp: -40°F to 194°F

**B-486:** Service temp: -40°F to 248°F

**B-438:** Service temp: -40°F to 104°F

All: Agency approvals:



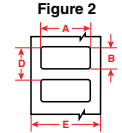
| Fits Printer Model(s)   | Diagram | Catalog #        | Color        | Label Width A Inch (mm) | Label Height B Inch (mm) | Horiz. Repeat C Inch (mm) | Vert. Repeat D Inch (mm) | Web Width E Inch (mm) | Labels Per Row        | Labels Per Roll | Rec. Ribbon |
|---|---------|------------------|--------------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|-----------------------|-----------------|-------------|
| <b>Standard adhesive for smooth surfaces (B-428):</b>   |         |                  |              |                         |                          |                           |                          |                       |                       |                 |             |
| BBP33 only  | Fig. 1  | B33-5-428        | Matte Silver | 1.000 (25.4)            | 0.500 (12.7)             | 1.075 (27.3)              | 0.600 (15.2)             | 3.350 (85.1)          | 3                     | 5000            | B30-R4300   |
| BBP33 only  | Fig. 2  | B33-17-428       | Matte Silver | 2.000 (50.8)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 2.200 (55.9)          | 1                     | 1500            | B30-R4300   |
| BBP33 only  | Fig. 2  | B33-18-428       | Matte Silver | 3.000 (76.2)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 3.200 (81.3)          | 1                     | 1500            | B30-R4300   |
| <b>Stronger adhesive for rougher surfaces (B-434):</b>  |         |                  |              |                         |                          |                           |                          |                       |                       |                 |             |
| BBP33 only  | Fig. 1  | B33-5-434        | Gloss Silver | 1.000 (25.4)            | 0.500 (12.7)             | 1.075 (27.3)              | 0.600 (15.2)             | 3.350 (85.1)          | 3                     | 5000            | B30-R6000   |
| BBP33 only  | Fig. 2  | B33-17-434       | Gloss Silver | 2.000 (50.8)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 2.200 (55.9)          | 1                     | 1500            | B30-R6000   |
| BBP33 only  | Fig. 2  | B33-18-434       | Gloss Silver | 3.000 (76.2)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 3.200 (81.3)          | 1                     | 1500            | B30-R6000   |
| BBP33 only  | Fig. 2  | B33-19-434       | Gloss Silver | 3.000 (76.2)            | 2.000 (50.8)             |                           | 2.125 (54.0)             | 3.200 (81.3)          | 1                     | 500             | B30-R6000   |
| <b>Ultra aggressive adhesive for highly textured, powder coated and low surface energy surfaces (B-486):</b>        |         |                  |              |                         |                          |                           |                          |                       |                       |                 |             |
| BBP33 only  | Fig. 1  | B33-5-486        | Matte Silver | 1.000 (25.4)            | 0.500 (12.7)             | 1.075 (27.3)              | 0.600 (15.2)             | 3.350 (85.1)          | 3                     | 5000            | B30-R4300   |
| BBP33 only  | Fig. 2  | B33-17-486       | Matte Silver | 2.000 (50.8)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 2.200 (55.9)          | 1                     | 1500            | B30-R4300   |
| BBP33 only  | Fig. 2  | B33-18-486       | Matte Silver | 3.000 (76.2)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 3.200 (81.3)          | 1                     | 1500            | B30-R4300   |
| BBP33 only  | Fig. 2  | B33-19-486       | Matte Silver | 3.000 (76.2)            | 2.000 (50.8)             |                           | 2.125 (54.0)             | 3.200 (81.3)          | 1                     | 500             | B30-R4300   |
| <b>Tamper-Evident - Leaves checkerboard footprint on surface and on label if removed to prevent re-use (B-438):</b> |         |                  |              |                         |                          |                           |                          |                       |                       |                 |             |
| BBP31, BBP33  | Fig. 2  | B30-17-438       | Matte Silver | 2.000 (50.8)            | 1.000 (25.4)             |                           | 2.500 (63.5)             | 1.125 (28.6)          | 1                     | 1225            | B30-R4300   |
| BBP31, BBP33  | Fig. 2  | B30-18-438       | Matte Silver | 3.000 (76.2)            | 1.000 (25.4)             |                           | 3.250 (82.6)             | 1.250 (31.8)          | 1                     | 1225            | B30-R4300   |
| BBP31, BBP33  | Fig. 2  | B30-222-438      | Matte Silver | 3.000 (76.2)            | 2.000 (50.8)             |                           | 3.250 (82.6)             | 2.250 (57.2)          | 1                     | 650             | B30-R4300   |
| BBP31, BBP33  | Fig. 3  | B30C-3000-438-SL | Matte Silver | 3.000 (76.2)            | 100 ft. (30.5m)          |                           |                          | 3.250 (82.6)          | - continuous supply - |                 | B30-R4300   |

## Paper Labels (B-424)

Economical choice for light duty general ID.

- White finish and matte topcoat
- Excellent contrast and smear resistance for bar code printing

Service temp: -40°F to 124°F  
Agency approvals: **RoHS**



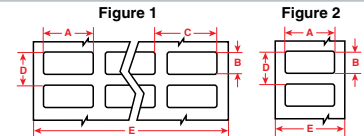
| Fits Printer Model(s) | Diagram | Catalog #  | Color | Label Width A Inch (mm) | Label Height B Inch (mm) | Horiz. Repeat C Inch (mm) | Vert. Repeat D Inch (mm) | Web Width E Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|------------|-------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|----------------|-----------------|-------------|
| BBP33 only            | Fig. 2  | B33-17-424 | White | 2.000 (50.8)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 2.200 (55.9)          | 1              | 1500            | B30-R4300   |
| BBP33 only            | Fig. 2  | B33-18-424 | White | 3.000 (76.2)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 3.200 (81.3)          | 1              | 1500            | B30-R4300   |
| BBP33 only            | Fig. 2  | B33-19-424 | White | 3.000 (76.2)            | 2.000 (50.8)             |                           | 2.125 (54.0)             | 3.200 (81.3)          | 1              | 500             | B30-R4300   |
| BBP33 only            | Fig. 2  | B33-25-424 | White | 4.000 (101.6)           | 6.000 (152.4)            |                           | 6.125 (155.6)            | 4.200 (106.7)         | 1              | 350             | B30-R4300   |

## Polypropylene Labels (B-425)

General labeling material for indoor use.

- Outstanding chemical and solvent resistance and print performance
- Not recommended for prolonged outdoor use (use B-595 material on p.14 for 8-10 year outdoor use)

Service temp: -94°F to 212°F  
Agency approvals: **UL** **UL** **RoHS** **SF**



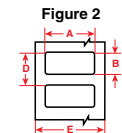
| Fits Printer Model(s) | Diagram | Catalog #  | Color | Label Width A Inch (mm) | Label Height B Inch (mm) | Horiz. Repeat C Inch (mm) | Vert. Repeat D Inch (mm) | Web Width E Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|------------|-------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|----------------|-----------------|-------------|
| BBP33 only            | Fig. 1  | B33-5-425  | White | 1.000 (25.4)            | 0.500 (12.7)             | 1.075 (27.3)              | 0.600 (15.2)             | 3.350 (85.1)          | 3              | 5000            | B30-R4300   |
| BBP33 only            | Fig. 2  | B33-17-425 | White | 2.000 (50.8)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 2.200 (55.9)          | 1              | 1500            | B30-R4300   |
| BBP33 only            | Fig. 2  | B33-18-425 | White | 3.000 (76.2)            | 1.000 (25.4)             |                           | 1.125 (28.6)             | 3.200 (81.3)          | 1              | 1500            | B30-R4300   |
| BBP33 only            | Fig. 2  | B33-19-425 | White | 3.000 (76.2)            | 2.000 (50.8)             |                           | 2.125 (54.0)             | 3.200 (81.3)          | 1              | 500             | B30-R4300   |

## Outdoor Grade Vinyl Labels (B-595)

For 8-10 year outdoor use.

- Semi-gloss topcoat
- Good chemical, moisture, UV and weather resistance
- Highly pliable material conforms to rough and curved surfaces and equipment
- Average outdoor durability of the label is 8-10 years, depending on placement

Service temp: -40°F to 180°F  
Application temp: 0°F to 180°F



| Fits Printer Model(s) | Diagram | Catalog #          | 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 Roll | Rec. Ribbon |
|-----------------------|---------|--------------------|--------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|----------------|-----------------|-------------|
| BBP31, BBP33          | Fig. 2  | B30-242-595-BLNKWT | White  | 2.850 (72.4)            | 1.125 (28.6)             |                           | 3.250 (82.6)             | 1.375 (35.0)          | 1              | 300             | B30-R10000  |
| BBP31, BBP33          | Fig. 2  | B30-241-595-BLNKWT | White  | 3.000 (76.2)            | 2.250 (57.2)             |                           | 3.250 (82.6)             | 2.500 (63.5)          | 1              | 300             | B30-R10000  |
| BBP31, BBP33          | Fig. 2  | B30-241-595-BLNKYL | Yellow | 3.000 (76.2)            | 2.250 (57.2)             |                           | 3.250 (82.6)             | 2.500 (63.5)          | 1              | 300             | B30-R10000  |
| BBP31, BBP33          | Fig. 2  | B30-219-595-BLNKWT | White  | 3.850 (97.8)            | 2.250 (57.2)             |                           | 4.250 (108.0)            | 2.500 (63.5)          | 1              | 250             | B30-R10000  |
| BBP31, BBP33          | Fig. 2  | B30-25-595-BLNKWT  | White  | 6.000 (152.4)           | 4.000 (100.0)            |                           | 6.250 (158.8)            | 4.250 (108.0)         | 1              | 175             | B30-R10000  |
| BBP31, BBP33          | Fig. 2  | B30-25-595-BLNKYL  | Yellow | 6.000 (152.4)           | 4.000 (100.0)            |                           | 6.250 (158.8)            | 4.250 (108.0)         | 1              | 175             | B30-R10000  |

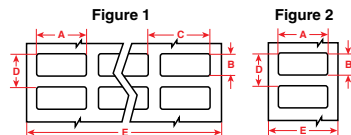
## Standard Polyimide Labels (B-457, B-426)

For circuit board labels and high-temperature general ID applications.

- Withstands the various processes, fluxes and cleaning solvents encountered in the manufacture of printed circuit boards
- For use on top or bottom-side component ID or board ID
- 2 temperature levels to meet your needs

**B-457:** Service temp: -94°F to 212°F (short burst max temp: 80 sec at 572°F, 5 min at 500°F, 2 hrs at 338°F)  
Agency approvals:

**B-426:** Service temp: -94°F to 518°F (short burst max temp: 80 sec at 626°F, 5 min at 536°F)  
Agency approvals:



| Fits Printer Model(s)                                    | Diagram | Catalog #   | 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 Roll | Rec. Ribbon |
|--|---------|-------------|-------------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|----------------|-----------------|-------------|
| <b>Standard temperature - gloss white (B-457):</b>       |         |             |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only   | Fig. 1  | B33-11-457  | Gloss White | 0.250 (6.35)            | 0.250 (6.4)              | 0.25 (6.4)                | 0.375 (9.5)              | 3.200 (81.3)          | 12             | 5000            | B30-R6000   |
| BBP33 only   | Fig. 1  | B33-14-457  | Gloss White | 0.650 (16.5)            | 0.200 (5.1)              | 0.700 (17.8)              | 0.300 (7.6)              | 2.950 (74.9)          | 4              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 1  | B33-1-457   | Gloss White | 0.750 (19.1)            | 0.250 (6.4)              | 0.800 (20.3)              | 0.350 (8.9)              | 3.350 (85.1)          | 4              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-46-457  | Gloss White | 0.750 (19.1)            | 0.250 (6.4)              |                           | 0.350 (8.9)              | 0.950 (24.1)          | 1              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-49-457  | Gloss White | 0.900 (22.9)            | 0.250 (6.4)              |                           | 0.350 (8.9)              | 1.100 (27.9)          | 1              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-103-457 | Gloss White | 1.000 (25.4)            | 0.250 (6.4)              |                           | 0.350 (8.9)              | 1.200 (30.5)          | 1              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-58-457  | Gloss White | 1.000 (25.4)            | 0.375 (9.5)              |                           | 0.475 (12.1)             | 1.200 (30.5)          | 1              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-59-457  | Gloss White | 1.000 (25.4)            | 0.500 (12.7)             |                           | 0.600 (15.2)             | 1.200 (30.5)          | 1              | 2500            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-43-457  | Gloss White | 1.250 (31.8)            | 0.250 (6.4)              |                           | 0.350 (8.9)              | 1.450 (36.8)          | 1              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-44-457  | Gloss White | 1.375 (34.9)            | 0.250 (6.4)              |                           | 0.350 (8.9)              | 1.600 (40.6)          | 1              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-45-457  | Gloss White | 1.500 (38.1)            | 0.250 (6.4)              |                           | 0.350 (8.9)              | 1.700 (43.2)          | 1              | 5000            | B30-R6000   |
| <b>Extremely high temperature - matte amber (B-426):</b> |         |             |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only   | Fig. 1  | B33-14-426  | Matte Amber | 0.650 (16.5)            | 0.200 (5.1)              | 0.700 (17.8)              | 0.300 (7.6)              | 2.950 (74.9)          | 4              | 5000            | B30-R4300   |
| BBP33 only   | Fig. 1  | B33-2-426   | Matte Amber | 0.900 (22.9)            | 0.250 (6.4)              | 1.125 (28.6)              | 0.350 (8.9)              | 3.350 (85.1)          | 3              | 5000            | B30-R4300   |
| BBP33 only   | Fig. 1  | B33-4-426   | Matte Amber | 1.500 (38.1)            | 0.250 (6.4)              |                           | 0.350 (8.9)              | 3.350 (85.1)          | 2              | 5000            | B30-R4300   |

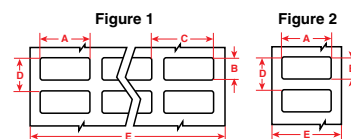
Don't see the size you need? We'll make it custom for you!

## Static Dissipative Polyimide Labels (B-477, B-478, B-479)

For printed circuit board ID and electronic component ID.

- Static dissipative adhesive and release liner with surface resistivity values recommended for Dissipative ESD Packaging
- Complies with EIA-541 Packaging Material Standards for ESD Sensitive Items
- Withstands the various processes, fluxes and cleaning solvents encountered in the manufacture of PC boards
- For use on top or bottom-side component ID or board ID
- 3 label thickness/gloss configurations to meet your needs

**All:** Service temp: -94°F to 212°F (short burst max temp: 80 sec at 572°F, 5 min at 500°F, 2 hrs at 338°F)  
Agency approvals:



| Fits Printer Model(s)   | Diagram | Catalog #  | 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 Roll | Rec. Ribbon |
|---|---------|------------|-------------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|----------------|-----------------|-------------|
| <b>Standard thickness - Gloss white (B-477):</b>                                    |         |            |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only  | Fig. 1  | B33-14-477 | Gloss White | 0.650 (16.5)            | 0.200 (5.1)              | 0.700 (17.8)              | 0.300 (7.6)              | 2.950 (74.9)          | 4              | 5000            | B30-R6000   |
| BBP33 only  | Fig. 2  | B33-43-477 | Gloss White | 1.250 (31.8)            | 0.250 (6.4)              |                           | 0.350 (8.9)              | 1.450 (36.8)          | 1              | 5000            | B30-R6000   |
| <b>Low profile label - Gloss white (B-478):</b>                                     |         |            |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only  | Fig. 1  | B33-14-478 | Gloss White | 0.650 (16.5)            | 0.200 (5.1)              | 0.700 (17.8)              | 0.300 (7.6)              | 2.950 (74.9)          | 4              | 5000            | B30-R6000   |
| BBP33 only  | Fig. 2  | B33-43-478 | Gloss White | 1.250 (31.8)            | 0.250 (6.4)              |                           | 0.350 (8.9)              | 1.450 (36.8)          | 1              | 5000            | B30-R6000   |
| <b>Low profile label - Matte white to prevent sticking of solder balls (B-479):</b> |         |            |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only  | Fig. 2  | B33-42-479 | Matte White | 1.000 (25.4)            | 0.188 (4.8)              |                           | 0.288 (7.3)              | 1.200 (30.5)          | 1              | 5000            | B30-R6000   |
| BBP33 only  | Fig. 2  | B33-43-479 | Matte White | 1.250 (31.8)            | 0.250 (6.4)              |                           | 0.350 (8.9)              | 1.450 (36.8)          | 1              | 5000            | B30-R6000   |

# Print Ribbons

“Drop & Click” print ribbons for quick and easy supply changes.

- Tough, smear-proof ribbons that produce long-lasting printed text
- Print can withstand years in industrial areas and outdoor conditions
- Ribbons ship in self-contained cartridges that drop straight into printer with a “click”
- No calibrating, no threading, no wasted feeding, no hassles, and the ink will always be facing the right direction!
- Printer notifies user if installed ribbon is not recommended for installed labels



Installs in 3 seconds and the ink always faces the right direction!

## BBP®31 & BBP®33 Print Ribbons

| Catalog #   | Color   | Size          |
|---|---------|---------------|
| <b>Heavy-duty ribbons for outdoor &amp; harsh facility materials:</b> |         |               |
| B30-R10000  | Black   | 4.330" x 200' |
| B30-R10000-WT   | White   | 4.330" x 200' |
| B30-R10000-RD   | Red     | 4.330" x 200' |
| B30-R10000-GN   | Green   | 4.330" x 200' |
| B30-R10000-BL   | Blue    | 4.330" x 200' |
| B30-R10000-YL   | Yellow  | 4.330" x 200' |
| B30-R10000-OR   | Orange  | 4.330" x 200' |
| B30-R10000-MA   | Magenta | 4.330" x 200' |
| <b>Industrial grade print ribbons:</b>                                |         |               |
| B30-R4300   | Black   | 4.330" x 200' |
| B30-R6000   | Black   | 4.330" x 200' |
| B30-R6200   | Black   | 4.330" x 200' |
| B30-R4400-WT  | White   | 4.330" x 200' |
| B30-R4500-SV  | Silver* | 4.330" x 200' |



NOTE: \* B30-R4500-SV ribbon for use with B-342 black PermaSleeves® only.

## BBP®31 & BBP®33 Print Ribbon / Material Compatibility (Updated Nov 2012)

| B-#    | Material  | B30-R4300 (Black) | B30-R6000 (Black) | B30-R6200 (Black) | B30-R10000 (Black) | B30-R4400-WT (White) | B30-R10000-WT (White) | B30-R4500-SV (Silver) | B30-R10000 (Colors) |
|--------|---|-------------------|-------------------|-------------------|--------------------|----------------------|-----------------------|-----------------------|---------------------|
| B-342  | PermaSleeve® PS Marker                                | ●                 | -                 | -                 | -                  | -                    | -                     | ●*                    | -                   |
| B-345  | PermaSleeve® HT Marker                                | -                 | ●                 | -                 | -                  | ●*                   | -                     | -                     | -                   |
| B-423  | Glossy White Polyester                                | -                 | ●                 | ●                 | -                  | -                    | -                     | -                     | -                   |
| B-424  | Matte White Paper                                     | ●                 | -                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-425  | Matte White Polypropylene                             | ●                 | -                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-426  | Matte Amber Polyimide                                 | ●                 | -                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-427  | Vinyl Self-Laminating                                 | ●                 | -                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-428  | Metallized Polyester                                  | ●                 | -                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-430  | Glossy Clear Polyester                                | -                 | ●                 | ●                 | -                  | -                    | -                     | -                     | -                   |
| B-432  | Glossy Clear Polyester                                | -                 | ●                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-434  | Gloss Metallized Polyester                            | -                 | ●                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-438  | Tamper Evident Metallized Polyester                   | ●                 | -                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-457  | Glossy White Polyimide                                | -                 | ●                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-477  | Glossy White Static Dissipative Polyimide             | -                 | ●                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-478  | Glossy White Low Profile Static Dissipative Polyimide | -                 | ●                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-479  | Matte White Low Profile Static Dissipative Polyimide  | -                 | ●                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-483  | Glossy White Polyester                                | -                 | ●                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-486  | Matte Metallized Polyester                            | ●                 | -                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-489  | Matte White Polyester                                 | ●                 | -                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-498  | Repositionable Coated Vinyl Cloth                     | -                 | -                 | ●                 | -                  | -                    | -                     | -                     | -                   |
| B-499  | Coated Nylon Cloth                                    | -                 | ●                 | -                 | -                  | -                    | -                     | -                     | -                   |
| B-509  | Printable Magnetic                                    | -                 | ●                 | -                 | ●                  | -                    | -                     | -                     | ●**                 |
| B-526  | Photoluminescent Polyester                            | -                 | ●                 | -                 | ●                  | -                    | -                     | -                     | ●**                 |
| B-549  | Cold Temp Polyester                                   | -                 | ●                 | -                 | ●                  | -                    | ●                     | -                     | ●**                 |
| B-551  | Non-Adhesive Tag                                      | -                 | ●                 | -                 | ●                  | -                    | -                     | -                     | ●**                 |
| B-569  | Low-Halide Polyester                                  | -                 | ●                 | -                 | ●                  | -                    | ●                     | -                     | ●**                 |
| B-581  | Repositionable Vinyl                                  | -                 | ●                 | -                 | ●                  | -                    | ●                     | -                     | ●**                 |
| B-584  | Retro Reflective                                      | -                 | ●                 | -                 | ●                  | -                    | -                     | -                     | ●**                 |
| B-593  | Raised Panel Engraved Plate Substitute                | -                 | ●                 | -                 | -                  | ●                    | -                     | -                     | -                   |
| B-595  | Outdoor Vinyl   | -                 | ●                 | -                 | ●                  | -                    | ●                     | -                     | ●**                 |
| B-7642 | PermaSleeve® HX Marker                                | ●                 | -                 | -                 | -                  | -                    | -                     | -                     | -                   |

Refer to the corresponding Tech Data Sheets for complete material information at [www.BradyID.com/techdata](http://www.BradyID.com/techdata).

\*B30-R4500-SV ribbon for use with B-342 black PermaSleeves® only; B30-R4400-WT ribbon for use with B-345 black PermaSleeves® only.

\*\*Colored ribbons optimized for use on white material. Test use on other material colors for suitability to your application.

# BBP<sup>®</sup>31 SIGN & LABEL PRINTER

## BBP<sup>®</sup>31 Sign & Label Printer Specifications

|   |   |
|---|---|
| Description                                 | Produces Facility & Safety labels for indoor and up to 10-year outdoor use. Built-in auto-tape cut-off and full smart chip enabled supplies for hassle-free drop lock and print loading and changeover.   |
| Applications & Other Comments               | For facility ID such as signs, pipe markers, lean/5S, arc flash labels, chemical labels, equipment labels, reflective and glow-in-dark ID, tags, magnetic and panel labels. Widest selection of colored labels, colored ribbons and outdoor grade labels. |
| Recommended Throughput & Operational Hours* | 600 2"x4" labels per day, 300 larger labels per day, 3 hrs / 5 days   |
| Print Technology                            | Thermal Transfer  |
| Print Resolution                            | 300 dpi   |
| Max Print Speed                             | 3" per sec  |
| Max Print Width                             | 4.000"  |
| Media Widths                                | 0.500" to 4.250"  |
| Minimum Label Dimension                     | 0.500"  |
| Color Capabilities                          | Monocolor   |
| PC Connect or Stand Alone                   | PC Connect and Stand Alone  |
| Connectivity Options                        | Standard: USB   |
| Compatible Software                         | MarkWare™ Software, Windows® based driver for 3rd party software use  |

\* Not a guarantee of performance. Depends on specific label size, text printed and other factors.

## Specialty Material Recommendations

|                                   |                   |
|-----------------------------------|-------------------|
| B-593 Raised Panel Labels         | Yes (Recommended) |
| Nomex® Tags                       | N/A               |
| B-330 Polyolefin Heat Shrink Wrap | N/A               |
| PermaSleeve® PS & HT              | N/A               |
| PermaSleeve® ZH                   | N/A               |
| PermaSleeve® HX                   | N/A               |
| Double-Sided PermaSleeve®         | N/A               |



Software-Printer compatibility.

## Brady Software

The powerful and easy-to-use Brady software takes your label-making muscle to even higher levels.



### MarkWare™ Facility Identification Software

- Create custom safety signs & labels including pipe markers, ANSI signs, Lockout tags, GHS labels, RTK chemical labels and custom labels with bar codes and graphics.
- Template wizard walks you through label creation process.
- Built-in graphics and 2,000 chemical database for RTK.
- Pre-formatted GHS label templates.
- Printer automatically reads supply and sets up label part for full hassle-free use when using Brady's MarkWare software.

For additional information visit [www.BradyID.com/markware](http://www.BradyID.com/markware)

### Labelmark™ Labeling Software

- Written specifically for wire and data comm ID, ADM labeling and general industrial applications.
- Printer automatically reads installed supply and sets up label part for full hassle-free use when using Brady's Labelmark software.

For additional information visit [www.BradyID.com/labelmark](http://www.BradyID.com/labelmark)

### CodeSoft™ Label Design Software

- Available separately, this powerful enterprise level label creation software features more extensive capabilities for integration with 3rd party software applications.

For additional information visit [www.BradyID.com/codesoft](http://www.BradyID.com/codesoft)

# BBP<sup>®</sup>33 LABEL PRINTER

## BBP<sup>®</sup>33 Label Printer Specifications

|   |   |  |
|---|---|--|
| Description                                 | High performance "full hassle-free" printing where smart chip supplies automatically set up label eliminating calibration steps and label waste. Time saving drop-lock-and-print label rolls and ribbons. |  |
| Applications & Other Comments               | True multi-application printer with complete range of supplies for both Wire, Cable, Product and Electronics applications as well as Safety, Facility and Lean/5S applications.                           |  |
| Recommended Throughput & Operational Hours* | Wire ID & Small OEM labels<br>1000 labels per day<br>8 hours / 5 days   | Safety labels<br>600 2" x 4" labels per day<br>300 larger labels per day |
| Print Technology                            | Thermal Transfer  |  |
| Print Resolution                            | 300 dpi   |  |
| Auto Cutter                                 | Standard (Built-in)   |  |
| Max Print Speed                             | 4" per sec  |  |
| Max Print Width                             | 4.000" (101.6 mm)   |  |
| Media Widths                                | 4.125" max (104.8 mm)   |  |
| Minimum Label Dimension                     | 0.250" (6.4 mm)   |  |
| Color Capabilities                          | Monocolor   |  |
| PC Connect or Stand Alone                   | PC Connect only   |  |
| Connectivity Options                        | Standard: USB, Ethernet<br>Optional: WiFi, Bluetooth  |  |
| Printer Language                            | BPL (Brady Programming Language)  |  |
| Compatible Software                         | Labelmark™ Software, MarkWare™ Software, Codesoft™ Software, Windows® based driver for 3rd party software use   |  |

\* Not a guarantee of performance. Depends on specific label size, text printed and other factors.

## Specialty Material Recommendations

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| B-593 Raised Panel Labels         | Yes (Recommended)                   |
| Nomex® Tags                       | Not Available                       |
| B-330 Polyolefin Heat Shrink Wrap | Not Available                       |
| PermaSleeve® PS & HT              | Yes (Recommended)                   |
| PermaSleeve® HX                   | Yes (Recommended)                   |
| PermaSleeve® ZH                   | Not Available                       |
| Double-Sided PermaSleeve®         | Yes (with 2-pass reinsert of media) |
| Custom Labels                     | Yes (in approved B numbers)         |

## Brady 360<sup>®</sup> Printer Protection Plans

With a Brady 360<sup>®</sup> Product Protection & Care Plan, you can rely on your Brady label printer to be in top working condition whenever you need it. Brady 360 plans offer a printer extended warranty, preventative maintenance and Advanced Tech Support Services when out-of-the-norm technical and programming support is needed.



- **Brady 360 Basic Plan** 3 years total warranty coverage and access to a free loaner printer if your covered printer is in for service. **Catalog #114447** (covers BBP33 or BBP31).
- **Brady 360 Preferred Plan** The same warranty and loaner access as the basic plan, plus one free Preventive Maintenance Service, free printer firmware upgrades, and two free hours of Advanced Professional Tech Support Services. **Catalog #114448** (covers BBP33 or BBP31).

For additional information & details visit [www.BradyID.com/brady360](http://www.BradyID.com/brady360)

# Print Your Own Magnets

*The Ultimate Repositionable Label!*



B30C-2500-509-WT

B33-18-434

**BRADY.** Serial No. VMG10044 Location: MILW-GHO  
Brady Corporation  
8555 West Good Hope Rd  
Milwaukee WI 53225 U.S.A.  
www.bradyid.com/bbp

Mfg. Date: 05-AUG-11

UL SF CE ✓ Made in U.S.A.

**BRADY.** Serial No. VMG10043 Location: MILW-GHO  
Brady Corporation  
8555 West Good Hope Rd  
Milwaukee WI 53225 U.S.A.  
www.bradyid.com/bbp

Mfg. Date: 05-AUG-11

UL SF CE ✓ Made in U.S.A.

**BRADY.** Serial No. VMG10042 Location: MILW-GHO  
Brady Corporation  
8555 West Good Hope Rd  
Milwaukee WI 53225 U.S.A.  
www.bradyid.com/bbp

Mfg. Date: 05-AUG-11

UL SF CE ✓ Made in U.S.A.

**BRADY.** Serial No. VMG10041 Location: MILW-GHO  
Brady Corporation  
8555 West Good Hope Rd  
Milwaukee WI 53225 U.S.A.  
www.bradyid.com/bbp

Mfg. Date: 05-AUG-11

UL SF CE ✓ Made in U.S.A.

B33-164-481

S.S.S.  
02 - 19 - 1983

B33-68-498

www.brady.com

Brady B-482  
Tissue Cassette Label

B33-103-457

010241

010240

010238

010238

010237

010236

010235

010234

010233

010232

B33-17-438

**MOREK**  
MODEL: Ø391 VOLTS: 12Ø  
SERIAL: A2394Ø AMPS: 7Ø

B30C-4250-551-WT

**WAREHOUSE KANBAN**

**PART # 102-94**

GE RESIN PELLETS  
WHITE

5 gal

3m 11

311 to K150

#2 Prep Rack



All labels were created using the BBP®31 & BBP®33 Printers and are shown in their actual size.

B30C-1125-595-YL



**ARC FLASH AND SHOCK HAZARD**  
**APPROPRIATE PPE REQUIRED**

- 2' - 0" - Flash Hazard Boundry
- 2.5 - cal/cm2 Flash Hazard at 18 inches
- #1 - PPE Level (FR shirt & FR pants, arc flash protection, hard hat, VR rubber gloves)
- 0.48 - Shock hazard when cover is open
- 3 - 6" - Limited Approach
- 1' - 0" - Restricted Approach
- 0' - 1" - Prohibited Approach

DEVICE NAME: PLATING LINE MCC FED FROM: PNL

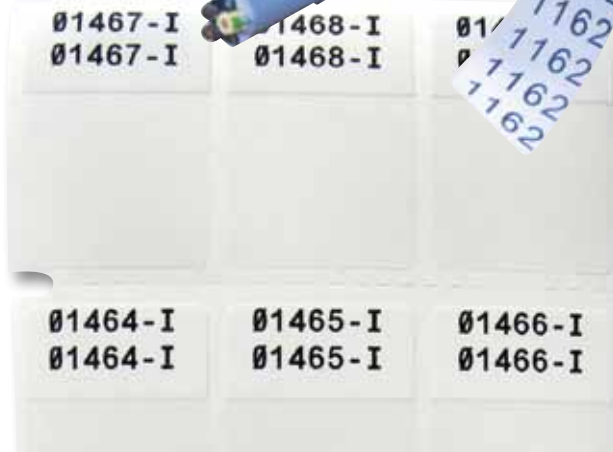
**SERVER 7 KGX027-04**  
**("KENT ST. SERVER")**



B33-75-427

B33-75-427

B33-9-427



B33-187-2-342



PROPERTY OF  
WELL CANCER RESEARCH  
INSTITUTE  
**ASSET No.**  
  
10029-LCRI

PROPERTY OF  
WELL CANCER RESEARCH  
INSTITUTE  
**ASSET No.**  
  
10029-LCRI

PROPERTY OF  
WELL CANCER RESEARCH  
INSTITUTE  
**ASSET No.**

**ENCLOSURE-20**  
**UPS SUBPANEL 6 ON BREAKER 41**

B30EP-174-593-BK

**AMBIENT TEMP  
ALARM**  
ALARM @ 105°F  
SHUT DOWN @ 200°F

B30EP-173-593-SL

FOR USE IN  
BOX MH23

B30EP-173-593-SV

**MCC**  
**MOTOR CONTROL**  
**STAMPING**

B30EP-177-593-YL

Create multicolor signs and chemical labels in 1 print pass by using supplies with pre-printed color headers, diamonds and color bars.

B30-245-595-NFPA

**Ethyl Acetate**  
141-78-6  
DANGER



**WARNING**  
**LOCK HAZARD**  
**REQUIRED!**

inches  
ants, or FR coverall, eye  
bber or leather gloves  
s open/removed

PNL 213, BRKRS 10-18

B30-25-595-ANSIWA

B30-261-7569-CLP4A

**Acetic Anhydride**

H203: Explosive; fire, blast or projection hazard. - H204: Fire or projection hazard. - H301+H311: Toxic if swallowed or in contact with skin.  
P402+P404: Store in a dry place. Store in a closed container. - P403+P235: Store in a well-ventilated place. Keep cool.  
EUH001: Explosive when dry. - EUH006: Explosive with or without contact with air. - EUH032: Contact with acids liberates very toxic gas.



96-904-032  
01-087-987

**Danger**  
414-414-4141

9734531-56-0  
123-467-9  
231-649-87-0



369ml

BRADY CORPORATION  
1122 NORTH TEST  
LANE  
MILWAUKEE, WI 53236

COMMENTS  
SECTION FOR  
GHS

**! DANGER**

UPPER BALE AND  
AUTO-LOWER  
IN "RUN" MOD

BLANK PRE-PRINT HEADER SUP

11208588

11208587

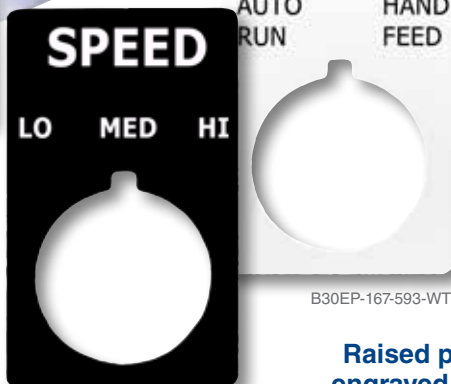
11208586

11208585

11208584

**C-7**

**CONTROL CENTER**  
**ING LINE**



B30EP-168-593-BK

B30EP-167-593-WT

Raised profile engraved plate substitute labels are pre-cut for common sizes, last 10 years outdoors and cost up to 80% less than engraved.

**PSM**  
POWER SUPPLY FOR MOTORS

**RL2**  
RELAY #2



**SW1**  
SWITCH #1



**SW3**  
SWITCH #3

**SW2**  
SWITCH #2



**MELZER PRESS**  
**ULTRAVIOLET UN**



380/220 VOLTS

50 AMP FUSES

BUS 129, SWITCH 236

THROUGH TRANSFORMER



B30C-2250-595-OR



**LUBE POINT  
1 PUMP WEEKLY**



B30C-1125-595-WT

HAZARD  
RATINGS

- Severe
- Serious
- Moderate
- Slight
- Minimal

nasal

st wall

**DANGER**

ARM  
S  
E



APPLIES FOR BRADY BBP31 PRINTER

B30-241-595-ANSIDA



B30C-4000-595-YL

**B-595 vinyl is our most aggressive ever - it sticks to pipes and extremely rough surfaces and lasts up to 10 years outdoors.**

**Order  
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B30C-2250-595-GN



B30C-2250-595-GN

**1  
UNIT**



**L.P. AIR 40 PS**

B30C-1125-595-BL

## BBP®31 Sign & Label Printer, Software and Brady 360 Plans

| Catalog Number | Description   |
|----------------|---|
| BBP31          | BBP31 Sign & Label Maker*   |
| BBP31-360B     | BBP31 Printer w/Brady 360® Basic plan                                 |
| BBP31-360P     | BBP31 Printer w/Brady 360® Preferred plan                             |
| BBP31-360B-MWS | BBP31 Printer w/Brady 360® Basic plan and MarkWare™ Std software      |
| BBP31-360B-MWL | BBP31 Printer w/Brady 360® Basic plan and MarkWare™ Lean software     |
| BBP31-360P-MWS | BBP31 Printer w/Brady 360® Preferred plan and MarkWare™ Std software  |
| BBP31-360P-MWL | BBP31 Printer w/Brady 360® Preferred plan and MarkWare™ Lean software |



\* BBP31 Sign & Label Printer ships with printer, power cord, USB cable, drivers CD, stylus, cleaning kit, cutter cleaning tool, quick start guide and documentation holder

**Current MarkWare owners:** Markware v3.8.1 required for use with BBP31. MarkWare v3.7 or higher required to upgrade to v3.8.1. Both upgrades are free and available at [www.BradyID.com](http://www.BradyID.com).

## BBP®31 Sign & Label Printer and Tape Starter Packs

| Catalog Number     | Description                                       |
|--------------------|---|
| BBP31-ARCFLASH KIT | BBP31 Printer w/ Arc Flash Supply Kit             |
| BBP31-SFTY KIT     | BBP31 Printer w/ Safety & Compliance Supply Kit   |
| BBP31-LEANVW KIT   | BBP31 Printer w/ 5S Visual Workplace Supply Kit   |
| BBP31-PIPE KIT     | BBP31 Printer w/ Pipe ID Supply Kit               |
| BBP31-GENIND KIT   | BBP31 Printer w/ General Industrial 5S Supply Kit |



\* BBP31 Sign & Label Printer ships with printer, power cord, USB cable, drivers CD, stylus, cleaning kit, cutter cleaning tool, quick start guide and documentation holder.

## BBP®33 Label Printer and Software

| Catalog Number  | Description  |
|-----------------|--|
| BBP33-C         | BBP®33 Label Printer with Auto cutter  |
| BBP33-C-LMP     | BBP®33 Label Printer with Auto cutter and LabelMark™5 Software                     |
| BBP33-C-MWS     | BBP®33 Label Printer with Auto cutter and MarkWare™ Software                       |
| BBP33-C-LMP-MWS | BBP®33 Label Printer with Auto cutter, LabelMark™5 Software and MarkWare™ Software |



\* BBP33 Label Printer ships with printer, power cord, USB cable, drivers CD, stylus, cleaning kit, cutter cleaning tool and quick start guide.

**Current MarkWare owners:** Markware v3.9.1 required for use with BBP33 Printer. MarkWare v3.7 or higher required to upgrade to v3.9.1. Both upgrades are free and available at [www.BradyID.com](http://www.BradyID.com).

**Current LabelMark owners:** The current version of LabelMark 5 or higher is required for use with BBP33 Printer. If you already own a prior version of LabelMark 5, a free upgrade is available from Brady Tech Support or click "update" from within your LabelMark program.

**Current CodeSoft owners:** CodeSoft v9.0 or higher and the current CodeSoft driver file are both required for use with BBP33 Printer. Visit [www.teklynx.com](http://www.teklynx.com) for more info.

## BBP®31 & BBP®33 Label Printer Accessories and Brady 360® Plans

| Catalog Number | Description  |
|----------------|--|
| 120994         | Rolling case w/ handle and supplies pockets for benchtop printers          |
| B31-WIPER      | 5 pack of extra media wipers   |
| B31-CCT        | 3 pack of extra cutter cleaning tools                                      |
| 114447         | Brady 360 Basic Printer Protection 3 Year Plan (covers BBP33 or BBP31)     |
| 114448         | Brady 360 Preferred Printer Protection 3 Year Plan (covers BBP33 or BBP31) |



Scan the QR code for more information

Learn more now about the BBP®31 Label Printer at [www.BradyID.com/bbp31](http://www.BradyID.com/bbp31).



Y1244494 MS1244494

U.S. Patent Nos. 5,823,689; 6,570,602.  
Additional Patents Pending.