



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

# Fast. Simple. Powerfully Versatile.

The way label making should be.

**NEW**  
Expanded Range  
of Labels!

**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!*



### 20-second 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
- No need to assemble spindles or mount rolls
- 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 – 275 parts, 12 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 - 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 – 275 parts, 12 materials
- Wire ID, lab ID & general ID die cuts – 310 parts, 31 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.



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



## BBP<sup>®</sup>33 LABEL PRINTER

PC only printer  
with expanded  
material options.



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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.

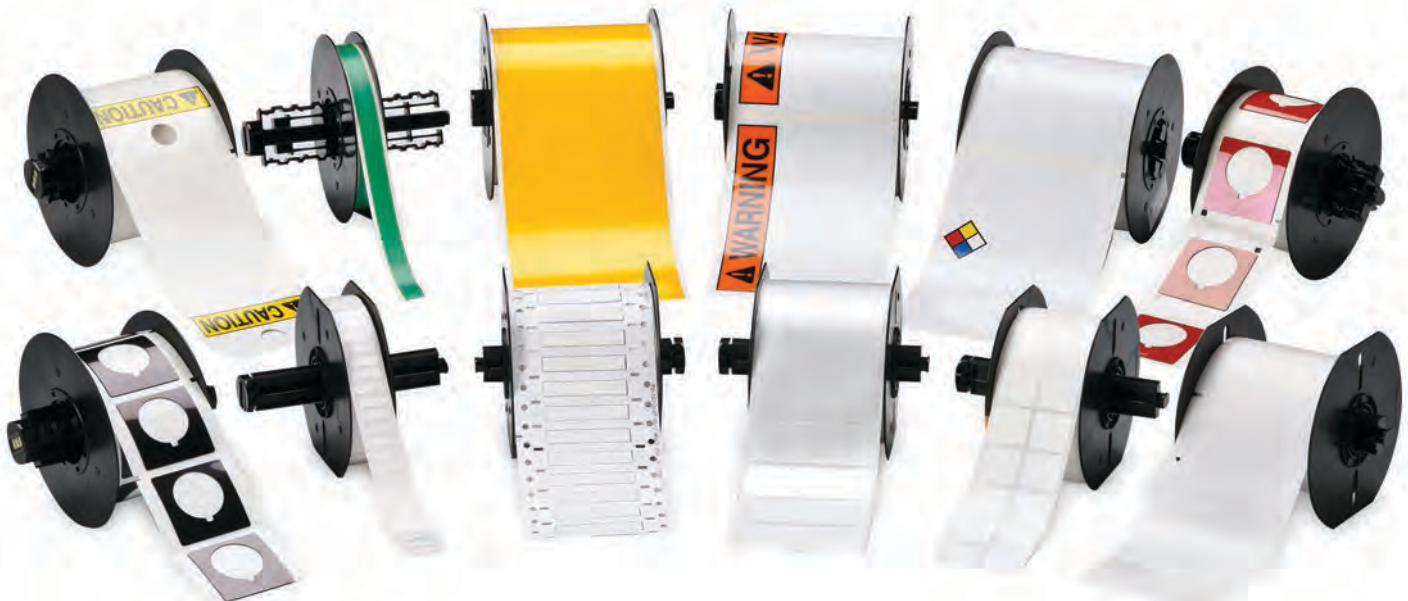
Brady materials lead the industry in durability and performance because we design and manufacture every label ourselves in our own facilities. We put our materials through rigorous, painstaking tests and trials – and nothing leaves our doors until it passes with flying colors.

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



### When you see this...

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





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

- 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) | Catalog #          | B#     | Material | Legend | Label Height Inch (mm) | Label Width Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon |            |
|-----------------------|--------------------|--------|----------|--------|------------------------|-----------------------|----------------|-----------------|-------------|------------|
| BBP31, BBP33          | B30-260-7569-CLP1  | B-7569 | Vinyl    |        | L1 Diamond + Text      | 2.170 (55.0)          | 3.350 (85.0)   | 1               | 340         | B30-R10000 |
| BBP31, BBP33          | B30-261-7569-CLP1  | B-7569 | Vinyl    |        | L1 Diamond + Text      | 2.950 (75.0)          | 4.330 (110.0)  | 1               | 270         | B30-R10000 |
| BBP31, BBP33          | B30-262-7569-CLP1  | B-7569 | Vinyl    |        | L1 Diamond + Text      | 4.130 (105.0)         | 6.100 (155.0)  | 1               | 200         | B30-R10000 |
| BBP31, BBP33          | B30-260-7569-CLP2  | B-7569 | Vinyl    |        | L2 Diamond + Text      | 2.170 (55.0)          | 3.350 (85.0)   | 1               | 340         | B30-R10000 |
| BBP31, BBP33          | B30-261-7569-CLP2  | B-7569 | Vinyl    |        | L2 Diamond + Text      | 2.950 (75.0)          | 4.330 (110.0)  | 1               | 270         | B30-R10000 |
| BBP31, BBP33          | B30-262-7569-CLP2  | B-7569 | Vinyl    |        | L2 Diamond + Text      | 4.130 (105.0)         | 6.100 (155.0)  | 1               | 200         | B30-R10000 |
| BBP31, BBP33          | B30-260-7569-CLP3A | B-7569 | Vinyl    |        | L3A Diamond + Text     | 2.170 (55.0)          | 3.350 (85.0)   | 1               | 340         | B30-R10000 |
| BBP31, BBP33          | B30-261-7569-CLP3A | B-7569 | Vinyl    |        | L3A Diamond + Text     | 2.950 (75.0)          | 4.330 (110.0)  | 1               | 270         | B30-R10000 |
| BBP31, BBP33          | B30-262-7569-CLP3A | B-7569 | Vinyl    |        | L3A Diamond + Text     | 4.130 (105.0)         | 6.100 (155.0)  | 1               | 200         | B30-R10000 |
| BBP31, BBP33          | B30-260-7569-CLP3B | B-7569 | Vinyl    |        | L3B Diamond + Text     | 2.170 (55.0)          | 3.350 (85.0)   | 1               | 340         | B30-R10000 |
| BBP31, BBP33          | B30-261-7569-CLP3B | B-7569 | Vinyl    |        | L3B Diamond + Text     | 2.950 (75.0)          | 4.330 (110.0)  | 1               | 270         | B30-R10000 |
| BBP31, BBP33          | B30-262-7569-CLP3B | B-7569 | Vinyl    |        | L3B Diamond + Text     | 4.130 (105.0)         | 6.100 (155.0)  | 1               | 200         | B30-R10000 |
| BBP31, BBP33          | B30-260-7569-CLP4A | B-7569 | Vinyl    |        | L4A Diamond + Text     | 2.170 (55.0)          | 3.350 (85.0)   | 1               | 340         | B30-R10000 |
| BBP31, BBP33          | B30-261-7569-CLP4A | B-7569 | Vinyl    |        | L4A Diamond + Text     | 2.950 (75.0)          | 4.330 (110.0)  | 1               | 270         | B30-R10000 |
| BBP31, BBP33          | B30-262-7569-CLP4A | B-7569 | Vinyl    |        | L4A Diamond + Text     | 4.130 (105.0)         | 6.100 (155.0)  | 1               | 200         | B30-R10000 |
| BBP31, BBP33          | B30-260-7569-CLP4B | B-7569 | Vinyl    |        | L4B Diamond + Text     | 2.170 (55.0)          | 3.350 (85.0)   | 1               | 340         | B30-R10000 |
| BBP31, BBP33          | B30-261-7569-CLP4B | B-7569 | Vinyl    |        | L4B Diamond + Text     | 2.950 (75.0)          | 4.330 (110.0)  | 1               | 270         | B30-R10000 |
| BBP31, BBP33          | B30-262-7569-CLP4B | B-7569 | Vinyl    |        | L4B Diamond + Text     | 4.130 (105.0)         | 6.100 (155.0)  | 1               | 200         | B30-R10000 |

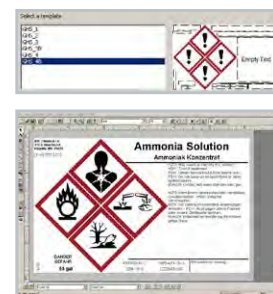


### MarkWare™ Software now includes a GHS / CLP Label Module

- 18 pre-formatted label layouts and approved GHS symbols are built-in
- 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

| Catalog # | Description        |
|-----------|--------------------|
| 20700     | MarkWare™ Software |

Already own MarkWare Software?  
Go to [BradyID.com/markware](http://BradyID.com/markware) to upgrade your current MarkWare to v3.9.1 for the GHS / CLP Label Module.



# BBP<sup>®</sup>31 and BBP<sup>®</sup>33 Materials

## 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)

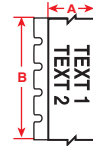


Figure 33



### Facility and Safety Applications:

- SS Labels
- Pipe Markers
- Safety & Warning Labels
- Equipment & Panel Labels
- Arc Flash & Chemical Labels
- And More!

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

| Fits Printer Model(s) | Diagram | Catalog #        | B#    | Color  | Label Width A Inch (mm) | Roll Length B Feet (m) | Labels Per Roll | Rec. Ribbon   |
|-----------------------|---------|------------------|-------|--------|-------------------------|------------------------|-----------------|---------------|
| BBP31, BBP33          | Fig. 33 | B30C-500-595-WT  | B-595 | White  | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-WT | B-595 | White  | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-WT | B-595 | White  | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-3000-595-WT | B-595 | White  | 3.000 (76.2)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-WT | B-595 | White  | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-YL  | B-595 | Yellow | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-YL | B-595 | Yellow | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-YL | B-595 | Yellow | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-3000-595-YL | B-595 | Yellow | 3.000 (76.2)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-YL | B-595 | Yellow | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-RD  | B-595 | Red    | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-RD | B-595 | Red    | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-RD | B-595 | Red    | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-3000-595-RD | B-595 | Red    | 3.000 (76.2)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-RD | B-595 | Red    | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-BL  | B-595 | Blue   | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-BL | B-595 | Blue   | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-BL | B-595 | Blue   | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-3000-595-BL | B-595 | Blue   | 3.000 (76.2)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-BL | B-595 | Blue   | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-GN  | B-595 | Green  | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-GN | B-595 | Green  | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-GN | B-595 | Green  | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-3000-595-GN | B-595 | Green  | 3.000 (76.2)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-GN | B-595 | Green  | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-OR  | B-595 | Orange | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-OR | B-595 | Orange | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-OR | B-595 | Orange | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-3000-595-OR | B-595 | Orange | 3.000 (76.2)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-OR | B-595 | Orange | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-BK  | B-595 | Black  | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-BK | B-595 | Black  | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-BK | B-595 | Black  | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-3000-595-BK | B-595 | Black  | 3.000 (76.2)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-BK | B-595 | Black  | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-BR  | B-595 | Brown  | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-BR | B-595 | Brown  | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-BR | B-595 | Brown  | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-3000-595-BR | B-595 | Brown  | 3.000 (76.2)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-BR | B-595 | Brown  | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-GD  | B-595 | Gold   | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-GD | B-595 | Gold   | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-GD | B-595 | Gold   | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-3000-595-GD | B-595 | Gold   | 3.000 (76.2)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-GD | B-595 | Gold   | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-GY  | B-595 | Gray   | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-GY | B-595 | Gray   | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-GY | B-595 | Gray   | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-3000-595-GY | B-595 | Gray   | 3.000 (76.2)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-GY | B-595 | Gray   | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-PL  | B-595 | Purple | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-PL | B-595 | Purple | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-PL | B-595 | Purple | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-3000-595-PL | B-595 | Purple | 3.000 (76.2)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-PL | B-595 | Purple | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-500-595-CL  | B-595 | Clear  | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-595-CL | B-595 | Clear  | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-595-CL | B-595 | Clear  | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-3000-595-CL | B-595 | Clear  | 3.000 (76.2)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-595-CL | B-595 | Clear  | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |

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



## Low-Halide Polyester (B-569)

- 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

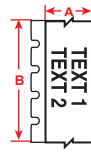


Figure 33



| Fits Printer Model(s) | Diagram | Catalog #        | B#    | Color      | Label Width A Inch (mm) | Roll Length B Feet (m) | Labels Per Roll | Rec. Ribbon   |
|-----------------------|---------|------------------|-------|------------|-------------------------|------------------------|-----------------|---------------|
| BBP31, BBP33          | Fig. 33 | B30C-500-569-WT  | B-569 | White      | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-WT | B-569 | White      | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-WT | B-569 | White      | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-3000-569-WT | B-569 | White      | 3.000 (76.2)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-WT | B-569 | White      | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-YL  | B-569 | Yellow     | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-YL | B-569 | Yellow     | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-YL | B-569 | Yellow     | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-YL | B-569 | Yellow     | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-RD  | B-569 | Red        | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-RD | B-569 | Red        | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-RD | B-569 | Red        | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-RD | B-569 | Red        | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-BL  | B-569 | Blue       | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-BL | B-569 | Blue       | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-BL | B-569 | Blue       | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-BL | B-569 | Blue       | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-LB  | B-569 | Light Blue | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-LB | B-569 | Light Blue | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-LB | B-569 | Light Blue | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-LB | B-569 | Light Blue | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-SB  | B-569 | Sky Blue   | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-SB | B-569 | Sky Blue   | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-SB | B-569 | Sky Blue   | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-SB | B-569 | Sky Blue   | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-GN  | B-569 | Green      | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-GN | B-569 | Green      | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-GN | B-569 | Green      | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-GN | B-569 | Green      | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-OR  | B-569 | Orange     | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-OR | B-569 | Orange     | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-OR | B-569 | Orange     | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-OR | B-569 | Orange     | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-BK  | B-569 | Black      | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-BK | B-569 | Black      | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-BK | B-569 | Black      | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-BK | B-569 | Black      | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-BR  | B-569 | Brown      | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-BR | B-569 | Brown      | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-BR | B-569 | Brown      | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-BR | B-569 | Brown      | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-OC  | B-569 | Ochre      | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-OC | B-569 | Ochre      | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-OC | B-569 | Ochre      | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-OC | B-569 | Ochre      | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-TN  | B-569 | Tan        | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-TN | B-569 | Tan        | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-TN | B-569 | Tan        | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-TN | B-569 | Tan        | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-GY  | B-569 | Gray       | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-GY | B-569 | Gray       | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-GY | B-569 | Gray       | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-GY | B-569 | Gray       | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-PL  | B-569 | Purple     | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-PL | B-569 | Purple     | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-PL | B-569 | Purple     | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-PL | B-569 | Purple     | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000-WT |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-PK  | B-569 | Pink       | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-PK | B-569 | Pink       | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-PK | B-569 | Pink       | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-PK | B-569 | Pink       | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-500-569-CL  | B-569 | Clear      | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-1125-569-CL | B-569 | Clear      | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-2250-569-CL | B-569 | Clear      | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |
| BBP31, BBP33          | Fig. 33 | B30C-4000-569-CL | B-569 | Clear      | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000    |

# BBP®31 and BBP®33 Materials

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

- 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  
 Agency approvals: **RoHS**

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

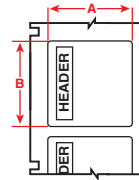


Figure 70



| Fits Printer Model(s) | Diagram | Catalog #          | B#    | Material | 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 | B-595 | Vinyl    |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-25-595-OSHADA  | B-595 | Vinyl    |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-241-595-OSHACA | B-595 | Vinyl    |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-25-595-OSHACA  | B-595 | Vinyl    |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-241-595-ANSICA | B-595 | Vinyl    |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-25-595-ANSICA  | B-595 | Vinyl    |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-241-595-ANSIDA | B-595 | Vinyl    |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-25-595-ANSIDA  | B-595 | Vinyl    |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-241-595-ANSIWA | B-595 | Vinyl    |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-25-595-ANSIWA  | B-595 | Vinyl    |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-241-595-ANSINO | B-595 | Vinyl    |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-25-595-ANSINO  | B-595 | Vinyl    |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-242-595-BLNKWT | B-595 | Vinyl    |        | 1.125 (28.6) *           | 2.850 (72.4)            | 1              | 300             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-241-595-BLNKWT | B-595 | Vinyl    |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-219-595-BLNKWT | B-595 | Vinyl    |        | 2.250 (57.5) *           | 3.850 (97.8)            | 1              | 250             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-25-595-BLNKWT  | B-595 | Vinyl    |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-241-595-BLNKYL | B-595 | Vinyl    |        | 2.250 (57.5)             | 3.000 (76.2)            | 1              | 300             | B30-R10000  |
| BBP31, BBP33          | Fig. 70 | B30-25-595-BLNKYL  | B-595 | Vinyl    |        | 4.000 (101.6)            | 6.000 (152.4)           | 1              | 175             | B30-R10000  |

\*Label pre-sized to fit blank rigid valve tags, but can also be used on its own as general purpose label. Visit [www.BradyID.com](http://www.BradyID.com) for information on Valve Tags.

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

- Non-adhesive semi rigid card stock
- Tags are pre-cut with hole and chamfered corners
- Micro-perforated between tags to separate cleanly
- 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

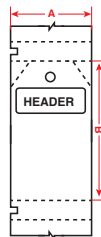


Figure 69



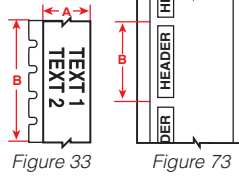
| Fits Printer Model(s) | Diagram | Catalog #          | B#    | Header | Tag Width A Inch (mm) | Tag Height B Inch (mm) | Tags Per Row | Tags Per Roll | Rec. Ribbon |
|-----------------------|---------|--------------------|-------|--------|-----------------------|------------------------|--------------|---------------|-------------|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



## ToughWash™ Washdown Resistant Labels (B-854, B-855)

- Withstands pressures of high heat, harsh chemicals and numerous washdown cycles
- B-854 offers metal detectable layer to detect foreign debris in food stream
- Legible and long-lasting for even the toughest washdown cycles
- Ideal for use in the Food & Beverage industry

Service temp: -40°F to 230°F  
Agency approvals: **RoHS**



| Fits Printer Model(s)                             | Diagram | Catalog #          | B#    | Color | Label Width A Inch (mm) | Length B Inch (mm) | Labels Per Roll | Rec. Ribbon |
|---|---------|--------------------|-------|-------|-------------------------|--------------------|-----------------|-------------|
| <b>B-854 ToughWash™ Metal Detectable Material</b> |         |                    |       |       |                         |                    |                 |             |
| BBP31, BBP33                                      | Fig. 33 | B30C-4000-854-WT   | B-854 |       | 4.000 (101.06)          | 50ft. (15.2 m)     | 1 roll (cont.)  | B30-R6000   |
| BBP31, BBP33                                      | Fig. 33 | B30C-4000-854-YL   | B-854 |       | 4.000 (101.06)          | 50ft. (15.2 m)     | 1 roll (cont.)  | B30-R6000   |
| BBP31, BBP33                                      | Fig. 73 | B30C-4000-854-WARN | B-854 |       | 4.000 (101.06)          | 6.250 (158.8)      | 100             | B30-R6000   |
| BBP31, BBP33                                      | Fig. 73 | B30C-4000-854-DANG | B-854 |       | 4.000 (101.06)          | 6.250 (158.8)      | 100             | B30-R6000   |
| BBP31, BBP33                                      | Fig. 73 | B30C-4000-854-CAUT | B-854 |       | 4.000 (101.06)          | 6.250 (158.8)      | 100             | B30-R6000   |
| <b>B-855 ToughWash™ Material</b>                  |         |                    |       |       |                         |                    |                 |             |
| BBP31, BBP33                                      | Fig. 33 | B30C-1125-855-WT   | B-855 |       | 1.125 (28.6)            | 50ft. (15.2 m)     | 1 roll (cont.)  | B30-R6000   |
| BBP31, BBP33                                      | Fig. 33 | B30C-2250-855-WT   | B-855 |       | 2.250 (57.5)            | 50ft. (15.2 m)     | 1 roll (cont.)  | B30-R6000   |
| BBP31, BBP33                                      | Fig. 33 | B30C-4000-855-WT   | B-855 |       | 4.000 (101.06)          | 50ft. (15.2 m)     | 1 roll (cont.)  | B30-R6000   |
| BBP31, BBP33                                      | Fig. 33 | B30C-1125-855-YL   | B-855 |       | 1.125 (28.6)            | 50ft. (15.2 m)     | 1 roll (cont.)  | B30-R6000   |
| BBP31, BBP33                                      | Fig. 33 | B30C-2250-855-YL   | B-855 |       | 2.250 (57.5)            | 50ft. (15.2 m)     | 1 roll (cont.)  | B30-R6000   |
| BBP31, BBP33                                      | Fig. 33 | B30C-4000-855-YL   | B-855 |       | 4.000 (101.06)          | 50ft. (15.2 m)     | 1 roll (cont.)  | B30-R6000   |
| BBP31, BBP33                                      | Fig. 73 | B30C-4000-855-WARN | B-855 |       | 4.000 (101.06)          | 6.250 (158.8)      | 100             | B30-R6000   |
| BBP31, BBP33                                      | Fig. 73 | B30C-4000-855-DANG | B-855 |       | 4.000 (101.06)          | 6.250 (158.8)      | 100             | B30-R6000   |
| BBP31, BBP33                                      | Fig. 73 | B30C-4000-855-CAUT | B-855 |       | 4.000 (101.06)          | 6.250 (158.8)      | 100             | B30-R6000   |

## 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 #        | B#    | Color | Tag Width A Inch (mm) | Roll Length B Feet (m) | Tags Per Roll  | Rec. Ribbon |
|-----------------------|---------|------------------|-------|-------|-----------------------|------------------------|----------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-2500-551-WT | B-551 | White | 2.500 (63.5)          | 50ft. (15.2m)          | 1 roll (cont.) | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-3250-551-WT | B-551 | White | 3.250 (82.6)          | 50ft. (15.2m)          | 1 roll (cont.) | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4250-551-WT | B-551 | White | 4.250 (107.9)         | 50ft. (15.2m)          | 1 roll (cont.) | B30-R10000  |

# BBP<sup>®</sup>31 and BBP<sup>®</sup>33 Materials

## Retro Reflective Tape (B-584)

- Highly reflective material shines back brightly when struck by light
- Ideal for labeling outdoor utility poles and pedestals, hard hats, 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

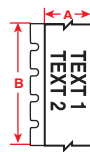


Figure 33



| Fits Printer Model(s) | Diagram | Catalog #        | B#    | Color  | Label Width A Inch (mm) | Roll Length B Feet (m) | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|------------------|-------|--------|-------------------------|------------------------|-----------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-1125-584-SL | B-584 | Silver | 1.125 (28.6)            | 50ft. (15.2m)          | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-584-SL | B-584 | Silver | 2.250 (57.5)            | 50ft. (15.2m)          | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-584-SL | B-584 | Silver | 4.000 (101.6)           | 50ft. (15.2m)          | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-584-YL | B-584 | Yellow | 1.125 (28.6)            | 50ft. (15.2m)          | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-584-YL | B-584 | Yellow | 2.250 (57.5)            | 50ft. (15.2m)          | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-584-YL | B-584 | Yellow | 4.000 (101.6)           | 50ft. (15.2m)          | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-584-OR | B-584 | Orange | 1.125 (28.6)            | 50ft. (15.2m)          | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-584-OR | B-584 | Orange | 2.250 (57.5)            | 50ft. (15.2m)          | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-584-OR | B-584 | Orange | 4.000 (101.6)           | 50ft. (15.2m)          | 1 roll (cont.)  | 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 and equipment 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

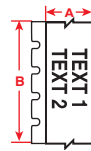


Figure 33



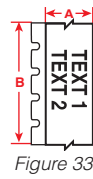
| Fits Printer Model(s) | Diagram | Catalog #     | B#    | Color          | Label Width A Inch (mm) | Roll Length B Feet (m) | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|---------------|-------|----------------|-------------------------|------------------------|-----------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-1125-526 | B-526 | Luminous Green | 1.125 (28.6)            | 50ft. (15.2m)          | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-526 | B-526 | Luminous Green | 2.250 (57.5)            | 50ft. (15.2m)          | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-526 | B-526 | Luminous Green | 4.000 (101.6)           | 50ft. (15.2m)          | 1 roll (cont.)  | B30-R10000  |



## 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, repositionable, and lean / 5S identification applications

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

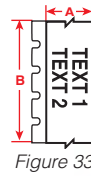


| Fits Printer Model(s) | Diagram | Catalog #        | B#    | Color  | Label Width A Inch (mm) | Roll Length B Feet (m) | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|------------------|-------|--------|-------------------------|------------------------|-----------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-2500-509-WT | B-509 | White  | 2.500 (63.5)            | 25ft (7.62m)           | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4250-509-WT | B-509 | White  | 4.250 (107.8)           | 25ft (7.62m)           | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2500-509-YL | B-509 | Yellow | 2.500 (63.5)            | 25ft (7.62m)           | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4250-509-YL | B-509 | Yellow | 4.250 (107.8)           | 25ft (7.62m)           | 1 roll (cont.)  | B30-R10000  |

## Repositionable Vinyl (B-581)

- 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

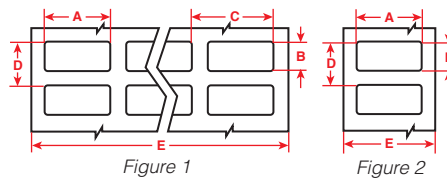


| Fits Printer Model(s) | Diagram | Catalog #        | B#    | Color  | Label Width A Inch (mm) | Roll Length B Feet (m) | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|------------------|-------|--------|-------------------------|------------------------|-----------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-500-581-WT  | B-581 | White  | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-581-WT | B-581 | White  | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-581-WT | B-581 | White  | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-581-WT | B-581 | White  | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-500-581-YL  | B-581 | Yellow | 0.500 (12.7)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-581-YL | B-581 | Yellow | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-581-YL | B-581 | Yellow | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-581-YL | B-581 | Yellow | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000  |

## 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 for 8-10 year outdoor use)

Service temp: -94°F to 212°F  
Agency approvals:



| Fits Printer Model(s) | Diagram | Catalog #  | B#    | 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  | B-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 | B-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 | B-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 | B-425 | White | 3.000 (76.2)            | 2.000 (50.8)             | -                         | 2.125 (54.0)             | 3.200 (81.3)          | 1              | 500             | B30-R4300   |

# BBP<sup>®</sup>31 and BBP<sup>®</sup>33 Materials

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

- 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  
Agency approvals: **RoHS**

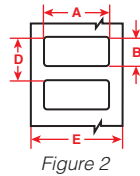


| Fits Printer Model(s) | Catalog #        | B#    | Legend | Label Height Inch (mm) | Label Width Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon |
|-----------------------|------------------|-------|--------|------------------------|-----------------------|----------------|-----------------|-------------|
| BBP31, BBP33          | B30-244-595-NFPA | B-595 |        | 2.250 (57.5)           | 2.250 (57.5)          | 1              | 365             | B30-R10000  |
| BBP31, BBP33          | B30-245-595-NFPA | B-595 |        | 2.250 (57.5)           | 4.000 (101.6)         | 1              | 240             | B30-R10000  |
| BBP31, BBP33          | B30-263-595-NFPA | B-595 |        | 4.000 (101.6)          | 6.250 (158.8)         | 1              | 170             | B30-R10000  |
| BBP31, BBP33          | B30-244-595-DIAM | B-595 |        | 2.250 (57.5)           | 2.250 (57.5)          | 1              | 365             | B30-R10000  |
| BBP31, BBP33          | B30-161-595-DIAM | B-595 |        | 4.000 (101.6)          | 4.000 (101.6)         | 1              | 240             | B30-R10000  |
| BBP31, BBP33          | B30-246-595-NFR  | B-595 |        | 1.125 (28.6)           | 3.000 (76.2)          | 1              | 300             | B30-R10000  |
| BBP31, BBP33          | B30-244-595-CB   | B-595 |        | 2.250 (57.5)           | 2.250 (57.5)          | 1              | 365             | B30-R10000  |
| BBP31, BBP33          | B30-245-595-CB   | B-595 |        | 2.250 (57.5)           | 4.000 (101.6)         | 1              | 240             | B30-R10000  |
| BBP31, BBP33          | B30-263-595-CB   | B-595 |        | 4.000 (101.6)          | 6.250 (158.8)         | 1              | 170             | B30-R10000  |
| BBP31, BBP33          | B30-244-595-HMIG | B-595 |        | 2.250 (57.5)           | 2.250 (57.5)          | 1              | 365             | B30-R10000  |
| BBP31, BBP33          | B30-246-595-HMIG | B-595 |        | 1.125 (28.6)           | 3.000 (76.2)          | 1              | 300             | B30-R10000  |

## 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**

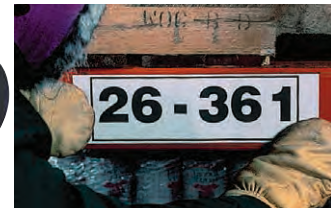
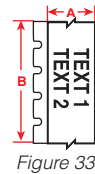


| Fits Printer Model(s) | Diagram | Catalog #  | B#    | Color | Label Width A Inch (mm) | Label Height B Inch (mm) | Horiz. Repeat C Inch (mm) | Vert. Repeat D Inch (mm) | Web Width E Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|------------|-------|-------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|----------------|-----------------|-------------|
| BBP33 only            | Fig. 2  | B33-53-424 | B-424 | White | 2.000 (50.8)            | 0.500 (12.7)             | -                         | 0.600 (15.2)             | 2.200 (55.9)          | 1              | 2500            | B30-R4300   |
| BBP33 only            | Fig. 2  | B33-17-424 | B-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  | B33-7-424  | B-424 | White | 2.750 (69.9)            | 1.250 (31.8)             | -                         | 1.375 (34.9)             | 2.950 (74.9)          | 1              | 1000            | B30-R4300   |
| BBP33 only            | Fig. 2  | B33-18-424 | B-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 | B-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  | B33-20-424 | B-424 | White | 3.000 (76.2)            | 5.000 (127)              | -                         | 5.125 (130.2)            | 3.200 (81.3)          | 1              | 250             | B30-R4300   |
| BBP33 only            | Fig. 2  | B33-55-424 | B-424 | White | 4.000 (101.6)           | 2.000 (50.8)             | -                         | 2.125 (54.0)             | 4.200 (106.7)         | 1              | 750             | B30-R4300   |
| BBP33 only            | Fig. 2  | B33-25-424 | B-424 | White | 4.000 (101.6)           | 6.000 (152.4)            | 6.125 (155.6)             | 4.200 (106.7)            | -                     | 1              | 350             | B30-R4300   |

## Cold Temperature Application Material (B-549)

- 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



| Fits Printer Model(s) | Diagram | Catalog #        | B#    | Color  | Label Width A Inch (mm) | Roll Length B Feet (m) | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|------------------|-------|--------|-------------------------|------------------------|-----------------|-------------|
| BBP31, BBP33          | Fig. 33 | B30C-1125-549-WT | B-549 | White  | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-549-WT | B-549 | White  | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-549-WT | B-549 | White  | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-4000-549-YL | B-549 | Yellow | 1.125 (28.6)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-2250-549-YL | B-549 | Yellow | 2.250 (57.5)            | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000  |
| BBP31, BBP33          | Fig. 33 | B30C-1125-549-YL | B-549 | Yellow | 4.000 (101.6)           | 100ft. (30.5m)         | 1 roll (cont.)  | B30-R10000  |

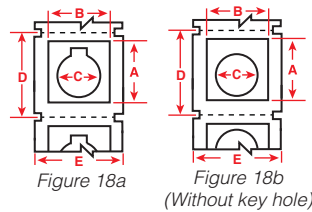


## Raised Profile Labels - Engraved Plate Substitutes - Push Button Style (B-593)

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:   



Note: BBP@31 printers purchased prior to 2012 require a free mechanical rework and firmware upgrade in order to be compatible with the following B-595 Raised Panel Labels. Please contact Technical Support at 1-800-643-8766 for details.

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

### ! 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?



# BBP®31 and BBP®33 Materials

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

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
- 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:   

Note: BBP@31 printers purchased prior to 2012 require a free mechanical rework and firmware upgrade in order to be compatible with the following B-595 Raised Panel Labels. Please contact Technical Support at 1-800-643-8766 for details.

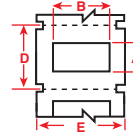
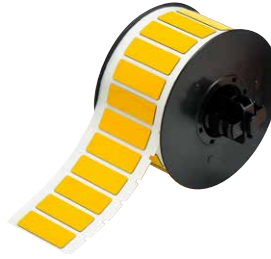


Figure 18c



| Fits Printer Model(s) | Diagram  | Catalog #        | B#    | Color  | Label Height A Inch (mm) | Label Width B Inch (mm) | Vert. Repeat D Inch (mm) | Web Width E Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon  |
|-----------------------|----------|------------------|-------|--------|--------------------------|-------------------------|--------------------------|-----------------------|----------------|-----------------|--------------|
| BBP31, BBP33          | Fig. 18c | B30EP-171-593-WT | B-593 | 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-172-593-WT | B-593 | 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-175-593-WT | B-593 | 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-173-593-WT | B-593 | 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-174-593-WT | B-593 | 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-176-593-WT | B-593 | 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-177-593-WT | B-593 | 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-171-593-YL | B-593 | 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-YL | B-593 | 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-175-593-YL | B-593 | 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-173-593-YL | B-593 | 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-YL | B-593 | 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-176-593-YL | B-593 | 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-YL | B-593 | Yellow | 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-171-593-BK | B-593 | 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-172-593-BK | B-593 | 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-175-593-BK | B-593 | 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-173-593-BK | B-593 | 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-174-593-BK | B-593 | 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-176-593-BK | B-593 | 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-177-593-BK | B-593 | 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-171-593-GN | B-593 | 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-172-593-GN | B-593 | 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-175-593-GN | B-593 | 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-173-593-GN | B-593 | 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-174-593-GN | B-593 | 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-176-593-GN | B-593 | 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-177-593-GN | B-593 | 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-171-593-RD | B-593 | 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-172-593-RD | B-593 | 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-173-593-RD | B-593 | 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-174-593-RD | B-593 | 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-171-593-SL | B-593 | 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-172-593-SL | B-593 | 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-173-593-SL | B-593 | 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-174-593-SL | B-593 | Silver | 1.000 (25.4)             | 4.000 (101.6)           | 1.250 (31.8)             | 4.250 (108.0)         | 1              | 300             | B30-R6000    |

## General ID Labels for Lean 5S, Bins and Production Areas (B-483, B-484, B-498, B-499, B-593, B-595)

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

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

**B-484:** Service temp: -40°F to 240°F Agency approvals:

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

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

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

**B-595:** Service temp: -40°F to 180°F Agency approvals:

8-10 years average outdoor durability

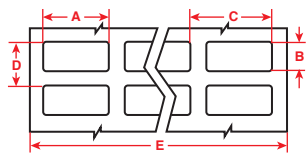


Figure 1

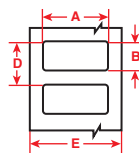


Figure 2

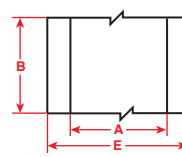


Figure 3

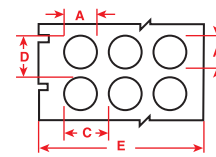


Figure 5

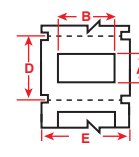


Figure 18c

| Fits Printer Model(s)   | Diagram  | Catalog #        | B#    | 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       | B-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       | B-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       | B-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   | B33-1-498        | B-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       | B-498 | White  | 0.800 (20.3)            | 1.437 (36.5)             | 0.900 (22.9)              | 1.562 (39.7)             | 2.800 (71.1)          | 3              | 2300            | B30-R6200    |
| BBP33 only  | Fig. 1   | B33-5-498        | B-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       | B-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       | B-498 | White  | 1.000 (25.4)            | 1.437 (36.5)             | 1.100 (27.9)              | 1.562 (39.7)             | 3.400 (86.4)          | 3              | 2300            | B30-R6200    |
| <b>Nylon Cloth - Permanent adhesive (B-499):</b>  |          |                  |       |        |                         |                          |                           |                          |                       |                |                 |              |
| BBP33 only  | Fig. 5   | B33-143-499      | B-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      | B-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       | B-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      | B-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      | B-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      | B-499 | White  | 2.000 (50.8)            | 1.000 (25.4)             | -                         | 1.125 (28.6)             | 2.200 (55.9)          | 1              | 1100            | B30-R6000    |
| <b>Polyester - Ultra aggressive adhesive for highly textured and low surface energy surfaces (B-483):</b> |          |                  |       |        |                         |                          |                           |                          |                       |                |                 |              |
| BBP33 only  | Fig. 1   | B33-149-483      | B-483 | White  | 0.500 (12.7)            | 0.500 (12.7)             | 0.600 (15.2)              | 0.600 (15.2)             | 2.500 (63.5)          | 4              | 5000            | B30-R6000    |
| BBP33 only  | Fig. 1   | B33-5-483        | B-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       | B-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   | B33-7-483        | B-483 | White  | 2.750 (69.9)            | 1.250 (31.8)             | -                         | 1.375 (34.9)             | 2.950 (74.9)          | 1              | 1000            | B30-R6000    |
| BBP33 only  | Fig. 2   | B33-18-483       | B-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       | B-483 | 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   | B33-55-483       | B-483 | White  | 4.000 (101.6)           | 2.000 (50.8)             | -                         | 2.125 (54.0)             | 4.200 (106.7)         | 1              | 750             | B30-R6000    |
| <b>Polyester - Ultra-aggressive adhesive and pliable for conforming to angular surfaces (B-484):</b>      |          |                  |       |        |                         |                          |                           |                          |                       |                |                 |              |
| BBP33 only  | Fig. 2   | B33-125-484      | B-484 | White  | 0.900 (22.9)            | 0.500 (12.7)             | -                         | 0.600 (15.2)             | 1.100 (27.9)          | 1              | 1500            | B30-R6000    |
| BBP33 only  | Fig. 1   | B33-5-484        | B-484 | 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   | B33-136-484      | B-484 | White  | 1.500 (38.1)            | 0.750 (19.1)             | -                         | 0.875 (22.2)             | 1.700 (43.2)          | 1              | 1500            | B30-R6000    |
| BBP33 only  | Fig. 2   | B33-17-484       | B-484 | 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   | B33-18-484       | B-484 | 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   | B33-19-484       | B-484 | White  | 3.000 (76.2)            | 2.000 (50.8)             | -                         | 2.125 (54.0)             | 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 | B-593 | 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 | B-593 | 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 | B-593 | Black  | 0.490 (12.5)            | 1.060 (26.9)             | -                         | 0.750 (19.1)             | 1.375 (34.9)          | 1              | 500             | B30-R4400-WT |
| <b>Continuous cut-to-length vinyl - Permanent adhesive, conformable; indoor/outdoor grade (B-595*):</b>   |          |                  |       |        |                         |                          |                           |                          |                       |                |                 |              |
| BBP31, BBP33  | Fig. 3   | B30C-500-595-WT  | B-595 | White  | 0.500 (12.7)            | 100 ft. (30.5m)          | -                         | -                        | 0.700 (17.8)          | 1 roll (cont.) |                 | B30-R10000   |
| BBP31, BBP33  | Fig. 3   | B30C-1125-595-WT | B-595 | White  | 1.125 (28.6)            | 100 ft. (30.5m)          | -                         | -                        | 1.375 (34.9)          | 1 roll (cont.) |                 | B30-R10000   |
| BBP31, BBP33  | Fig. 3   | B30C-500-595-YL  | B-595 | Yellow | 0.500 (12.7)            | 100 ft. (30.5m)          | -                         | -                        | 0.700 (17.8)          | 1 roll (cont.) |                 | B30-R10000   |
| BBP31, BBP33  | Fig. 3   | B30C-1125-595-YL | B-595 | Yellow | 1.125 (28.6)            | 100 ft. (30.5m)          | -                         | -                        | 1.375 (34.9)          | 1 roll (cont.) |                 | B30-R10000   |

\* 58 additional sizes and colors available for B-593 (page 13).  
46 additional sizes and colors available for B-595 (page 6).



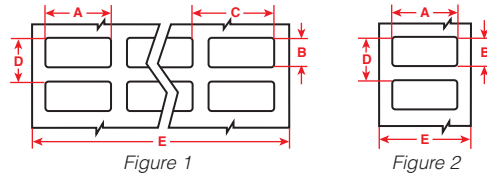
## Polyester General ID Labels (B-422, B-423, B-430, B-432, B483, B-484, B-489)

- For general purpose industrial ID applications, bin and shelf labeling in production areas, and PC board component ID

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

**B-430, B-432:** Service temp: -40°F to 212°F  
Agency approvals:

**B-484:** Service temp: -40°F to 240°F  
Agency approvals:



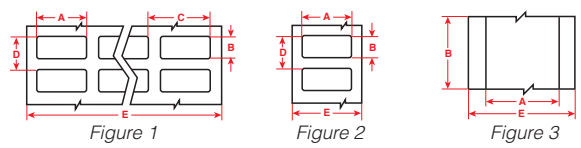
| Fits Printer Model(s)  | Diagram | Catalog #   | B#    | Color       | Label Width A Inch (mm) | Label Height B Inch (mm) | Horiz. Repeat C Inch (mm) | Vert. Repeat D Inch (mm) | Web Width E Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon |
|--|---------|-------------|-------|-------------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|----------------|-----------------|-------------|
| <b>Standard adhesive (B-423 gloss white):</b>  |         |             |       |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only   | Fig. 4  | B33-11-423  | B-423 | Gloss White | 0.250 (6.4)             | 0.250 (6.4)              | 0.250 (6.4)               | 0.375 (9.5)              | 3.200 (81.3)          | 12             | 15000           | B30-R6000   |
| BBP33 only   | Fig. 1  | B33-38-423  | B-423 | Gloss White | 0.375 (9.5)             | 0.375 (9.5)              | 0.438 (11.1)              | 0.475 (12.1)             | 3.200 (81.3)          | 9              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 1  | B33-149-423 | B-423 | Gloss White | 0.500 (12.7)            | 0.500 (12.7)             | 0.600 (15.2)              | 0.600 (15.2)             | 2.500 (63.5)          | 4              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 1  | B33-1-423   | B-423 | 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  | B33-46-423  | B-423 | 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  | B33-49-423  | B-423 | 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  | B33-103-423 | B-423 | 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. 1  | B33-3-423   | B-423 | Gloss White | 1.000 (25.4)            | 0.375 (9.5)              | 1.075 (27.3)              | 0.475 (12.1)             | 3.350 (85.1)          | 3              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 1  | B33-5-423   | B-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  | B33-43-423  | B-423 | 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. 1  | B33-29-423  | B-423 | Gloss White | 1.250 (31.8)            | 0.375 (9.5)              | 1.300 (33.0)              | 0.475 (12.1)             | 2.750 (69.9)          | 2              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-45-423  | B-423 | Gloss White | 1.500 (38.1)            | 0.250 (6.4)              | -                         | 0.350 (8.9)              | 1.700 (43.2)          | 1              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-72-423  | B-423 | Gloss White | 1.750 (44.5)            | 0.250 (6.4)              | -                         | 0.350 (8.9)              | 1.950 (49.5)          | 1              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-53-423  | B-423 | Gloss White | 2.000 (50.8)            | 0.500 (12.7)             | -                         | 0.600 (15.2)             | 2.200 (55.9)          | 1              | 2500            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-17-423  | B-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  | B33-18-423  | B-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  | B33-19-423  | B-423 | 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  | B33-55-423  | B-423 | Gloss White | 4.000 (101.6)           | 2.000 (50.8)             | -                         | 2.125 (54.0)             | 4.200 (106.7)         | 1              | 750             | B30-R6000   |
| <b>Standard adhesive (B-430 clear):</b>  |         |             |       |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only   | Fig. 1  | B33-5-430   | B-430 | Clear       | 1.000 (25.4)            | 0.500 (12.7)             | 1.075 (27.3)              | 0.625 (15.9)             | 3.350 (85.1)          | 3              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-17-430  | B-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  | B33-18-430  | B-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-422 gloss white):</b>                                  |         |             |       |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only   | Fig. 1  | B33-149-422 | B-422 | White       | 0.500 (12.7)            | 0.500 (12.7)             | 0.600 (15.2)              | 0.600 (15.2)             | 2.500 (63.5)          | 4              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 1  | B33-5-422   | B-422 | 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  | B33-147-422 | B-422 | White       | 1.500 (38.1)            | 0.375 (9.5)              | 1.650 (41.9)              | 0.475 (12.1)             | 3.350 (85.1)          | 2              | 2500            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-102-422 | B-422 | White       | 1.500 (38.1)            | 0.375 (9.5)              | -                         | 0.500 (12.7)             | 1.700 (43.2)          | 1              | 2500            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-136-422 | B-422 | White       | 1.500 (38.1)            | 0.750 (19.1)             | -                         | 0.875 (22.2)             | 1.700 (43.2)          | 1              | 1500            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-17-422  | B-422 | 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  | B33-18-422  | B-422 | 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  | B33-19-422  | B-422 | 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  | B33-76-422  | B-422 | White       | 4.000 (101.6)           | 3.000 (76.2)             | -                         | 3.125 (79.4)             | 4.200 (106.7)         | 1              | 500             | B30-R6000   |
| <b>Stronger adhesive for textured surfaces (B-432 clear):</b>  |         |             |       |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only   | Fig. 1  | B33-149-432 | B-432 | Clear       | 0.500 (12.7)            | 0.500 (12.7)             | 0.600 (15.2)              | 0.625 (15.9)             | 2.500 (63.5)          | 4              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 1  | B33-5-432   | B-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  | B-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  | B-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  | B-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 gloss white):</b>                   |         |             |       |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only   | Fig. 1  | B33-149-483 | B-483 | Gloss White | 0.500 (12.7)            | 0.500 (12.7)             | 0.600 (15.2)              | 0.600 (15.2)             | 2.500 (63.5)          | 4              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 1  | B33-5-483   | B-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. 2  | B33-17-483  | B-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  | B33-7-483   | B-483 | Gloss White | 2.750 (69.9)            | 1.250 (31.8)             | -                         | 1.375 (34.9)             | 2.950 (74.9)          | 1              | 1000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-18-483  | B-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  | B-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  | B33-55-483  | B-483 | Gloss White | 4.000 (101.6)           | 2.000 (50.8)             | -                         | 2.125 (54.0)             | 4.200 (106.7)         | 1              | 750             | B30-R6000   |
| <b>Ultra aggressive adhesive for highly textured surfaces (B-489 matte white):</b>                   |         |             |       |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only   | Fig. 1  | B33-5-489   | B-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  | B33-17-489  | B-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  | B33-18-489  | B-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  | B-489 | Matte White | 3.000 (76.2)            | 2.000 (50.8)             | -                         | 2.125 (54.0)             | 3.200 (81.3)          | 1              | 500             | B30-R4300   |
| <b>Polyester - Ultra-aggressive adhesive and pliable for conforming to angular surfaces (B-484):</b> |         |             |       |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only   | Fig. 2  | B33-125-484 | B-484 | White       | 0.900 (22.9)            | 0.500 (12.7)             | -                         | 0.600 (15.2)             | 1.100 (27.9)          | 1              | 1500            | B30-R6000   |
| BBP33 only   | Fig. 1  | B33-5-484   | B-484 | 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  | B33-136-484 | B-484 | White       | 1.500 (38.1)            | 0.750 (19.1)             | -                         | 0.875 (22.2)             | 1.700 (43.2)          | 1              | 1500            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-17-484  | B-484 | 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  | B33-18-484  | B-484 | 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  | B33-19-484  | B-484 | White       | 3.000 (76.2)            | 2.000 (50.8)             | -                         | 2.125 (54.0)             | 3.200 (81.3)          | 1              | 500             | B30-R6000   |

## Metallized Polyester Labels (B-428, B-434, B-435, B-438, B-486, B-565)

- 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-435:** Service temp: -40°F to 194°F  
**B-438:** Service temp: -40°F to 104°F  
**B-486:** Service temp: -40°F to 248°F  
**B-565:** Service temp: -40°F to 240°F

Agency approvals:   
 Agency approvals:   
 Agency approvals:   
 Agency approvals:   
 Agency approvals:



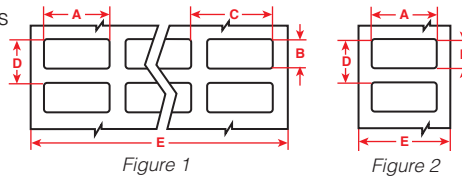
| Fits Printer Model(s)   | Diagram | Catalog #        | B#    | Color        | Label Width A Inch (mm) | Label Height B Inch (mm) | Horiz. Repeat C Inch (mm) | Vert. Repeat D Inch (mm) | Web Width E Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon |
|---|---------|------------------|-------|--------------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|----------------|-----------------|-------------|
| <b>Standard adhesive for smooth surfaces (B-428 matte):</b>   |         |                  |       |              |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only  | Fig. 1  | B33-5-428        | B-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  | B33-53-428       | B-428 | Matte Silver | 2.000 (50.8)            | 0.500 (12.7)             | -                         | 0.600 (15.2)             | 2.200 (55.9)          | 1              | 2500            | B30-R4300   |
| BBP33 only  | Fig. 2  | B33-17-428       | B-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       | B-428 | 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  | B33-19-428       | B-428 | Matte Silver | 3.000 (76.2)            | 2.000 (50.8)             | -                         | 2.125 (54.0)             | 3.200 (81.3)          | 1              | 500             | B30-R4300   |
| BBP33 only  | Fig. 3  | B33C-3000-428    | B-428 | Matte Silver | 3.000 (76.2)            | 85 ft. (25.9m)           | -                         | -                        | 3.400 (86.4)          | 1 roll (cont.) |                 | B30-R4300   |
| <b>Standard adhesive for smooth surfaces. Material compatible in BBP31 Printer (B-565 matte):</b>                         |         |                  |       |              |                         |                          |                           |                          |                       |                |                 |             |
| BBP31, BBP33  | Fig. 3  | B30C-1125-565-SL | B-565 | Matte Silver | 1.125 (28.6)            | 100 ft. (30.5m)          | -                         | -                        | 1.375 (34.9)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP31, BBP33  | Fig. 3  | B30C-2250-565-SL | B-565 | Matte Silver | 2.250 (57.5)            | 100ft. (30.5m)           | -                         | -                        | 2.500 (63.5)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP31, BBP33  | Fig. 3  | B30C-4000-565-SL | B-565 | Matte Silver | 4.000 (101.6)           | 100ft. (30.5m)           | -                         | -                        | 4.200 (106.7)         | 1 roll (cont.) |                 | B30-R4300   |
| <b>Standard adhesive for smooth surfaces (B-435 glossy):</b>  |         |                  |       |              |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only  | Fig. 2  | B33-18-435       | B-435 | 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  | B33-19-435       | B-435 | Gloss Silver | 3.000 (76.2)            | 2.000 (50.8)             | -                         | 2.125 (54.0)             | 3.200 (81.3)          | 1              | 500             | B30-R6000   |
| BBP33 only  | Fig. 2  | B33-55-435       | B-435 | Gloss Silver | 4.000 (101.6)           | 2.000 (50.8)             | -                         | 2.125 (54.0)             | 4.200 (106.7)         | 1              | 750             | B30-R6000   |
| <b>Stronger adhesive for rougher surfaces (B-434 glossy):</b>   |         |                  |       |              |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only  | Fig. 1  | B33-5-434        | B-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  | B33-136-434      | B-434 | Gloss Silver | 1.500 (38.1)            | 0.750 (19.1)             | -                         | 0.875 (22.2)             | 1.700 (43.2)          | 1              | 1500            | B30-R6000   |
| BBP33 only  | Fig. 2  | B33-17-434       | B-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       | B-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       | B-434 | Gloss Silver | 3.000 (76.2)            | 2.000 (50.8)             | -                         | 2.125 (54.0)             | 3.200 (81.3)          | 1              | 500             | B30-R6000   |
| BBP33 only  | Fig. 2  | B33-55-434       | B-434 | Gloss Silver | 4.000 (101.6)           | 2.000 (50.8)             | -                         | 2.125 (54.0)             | 4.200 (106.7)         | 1              | 750             | B30-R6000   |
| <b>Ultra aggressive adhesive for highly textured, powder coated and low surface energy surfaces (B-486 matte):</b>        |         |                  |       |              |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only  | Fig. 2  | B33-59-486       | B-486 | Matte Silver | 1.000 (25.4)            | 0.500 (12.7)             | -                         | 0.600 (15.2)             | 1.200 (30.5)          | 1              | 2500            | B30-R4300   |
| BBP33 only  | Fig. 1  | B33-5-486        | B-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  | B33-53-486       | B-486 | Matte Silver | 2.000 (50.8)            | 0.500 (12.7)             | -                         | 0.600 (15.2)             | 2.200 (55.9)          | 1              | 2500            | B30-R4300   |
| BBP33 only  | Fig. 2  | B33-17-486       | B-486 | Matte Silver | 2.000 (50.8)            | 1.000 (25.4)             | -                         | 1.125 (28.6)             | 2.200 (55.9)          | 1              | 1300            | B30-R4300   |
| BBP33 only  | Fig. 2  | B33-7-486        | B-486 | Matte Silver | 2.750 (69.9)            | 1.250 (31.8)             | -                         | 1.375 (34.9)             | 2.950 (74.9)          | 1              | 1000            | B30-R4300   |
| BBP33 only  | Fig. 2  | B33-18-486       | B-486 | Matte Silver | 3.000 (76.2)            | 1.000 (25.4)             | -                         | 1.125 (28.6)             | 3.200 (81.3)          | 1              | 1300            | B30-R4300   |
| BBP33 only  | Fig. 2  | B33-19-486       | B-486 | Matte Silver | 3.000 (76.2)            | 2.000 (50.8)             | -                         | 2.125 (54.0)             | 3.200 (81.3)          | 1              | 500             | B30-R4300   |
| BBP33 only  | Fig. 2  | B33-76-486       | B-486 | Matte Silver | 4.000 (101.6)           | 3.000 (76.2)             | -                         | 3.125 (79.4)             | 4.200 (106.7)         | 1              | 500             | B30-R4300   |
| BBP33 only  | Fig. 2  | B33-161-486      | B-486 | Matte Silver | 4.000 (101.6)           | 4.000 (101.6)            | -                         | 4.125 (104.8)            | 4.200 (106.7)         | 1              | 250             | B30-R4300   |
| <b>Tamper-Evident - Leaves checkerboard footprint on surface and on label if removed to prevent re-use (B-438 matte):</b> |         |                  |       |              |                         |                          |                           |                          |                       |                |                 |             |
| BBP31, BBP33  | Fig. 2  | B30-17-438       | B-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       | B-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      | B-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 | B-438 | Matte Silver | 3.000 (76.2)            | 100 ft. (30.5m)          | -                         | -                        | 3.250 (82.6)          | 1 roll (cont.) |                 | B30-R4300   |

## Standard Polyimide Labels (B-724, B-727)

- Top or bottom-side component ID or board ID labels that withstand the various processes, fluxes and cleaning solvents encountered in the manufacture of printed circuit boards

**B-727:** 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-724:** Service temp: -94°F to 518°F (short burst max temp: 80 sec at 626°F, 5 min at 536°F)  
Agency approvals:

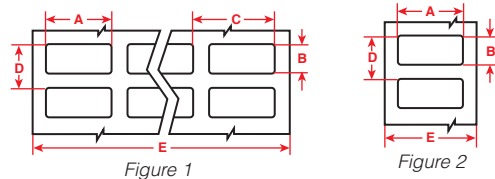


| Fits Printer Model(s)                                  | Diagram | Catalog #   | B#    | Color       | Label Width A Inch (mm) | Label Height B Inch (mm) | Horiz. Repeat C Inch (mm) | Vert. Repeat D Inch (mm) | Web Width E Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon |
|--|---------|-------------|-------|-------------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|----------------|-----------------|-------------|
| <b>Standard temperature (B-727 gloss white):</b>       |         |             |       |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only   | Fig. 1  | B33-11-727  | B-727 | 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  | B33-38-727  | B-727 | Gloss White | 0.375 (9.5)             | 0.375 (9.5)              | 0.438 (11.1)              | 0.475 (12.1)             | 3.200 (81.3)          | 9              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 1  | B33-149-727 | B-727 | Gloss White | 0.500 (12.7)            | 0.500 (12.7)             | 0.600 (15.2)              | 0.600 (15.2)             | 2.500 (63.5)          | 4              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-46-727  | B-727 | 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. 1  | B33-1-727   | B-727 | 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  | B33-49-727  | B-727 | 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. 1  | B33-2-727   | B-727 | Gloss White | 0.900 (22.9)            | 0.250 (6.4)              | 1.125 (28.6)              | 0.350 (8.9)              | 3.350 (85.1)          | 3              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-103-727 | B-727 | 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  | B33-58-727  | B-727 | 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  | B33-59-727  | B-727 | 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  | B33-43-727  | B-727 | 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  | B33-44-727  | B-727 | 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  | B33-45-727  | B-727 | Gloss White | 1.500 (38.1)            | 0.250 (6.4)              | -                         | 0.350 (8.9)              | 1.700 (43.2)          | 1              | 5000            | B30-R6000   |
| BBP33 only   | Fig. 2  | B33-72-727  | B-727 | Gloss White | 1.750 (44.5)            | 0.250 (6.4)              | -                         | 0.350 (8.9)              | 1.950 (49.5)          | 1              | 5000            | B30-R6000   |
| <b>Extremely high temperature (B-724 matte amber):</b> |         |             |       |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only   | Fig. 1  | B33-149-724 | B-724 | Matte Amber | 0.500 (12.7)            | 0.500 (12.7)             | 0.600 (15.2)              | 0.600 (15.2)             | 2.500 (63.5)          | 4              | 5000            | B30-R4300   |
| BBP33 only   | Fig. 2  | B33-46-724  | B-724 | Matte Amber | 0.750 (19.1)            | 0.250 (6.4)              | -                         | 0.350 (8.9)              | 0.950 (24.1)          | 1              | 5000            | B30-R4300   |
| BBP33 only   | Fig. 1  | B33-1-724   | B-724 | Matte Amber | 0.750 (19.1)            | 0.250 (6.4)              | 0.800 (20.3)              | 0.350 (8.9)              | 3.350 (85.1)          | 4              | 5000            | B30-R4300   |
| BBP33 only   | Fig. 1  | B33-2-724   | B-724 | 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. 2  | B33-43-724  | B-724 | Matte Amber | 1.250 (31.8)            | 0.250 (6.4)              | -                         | 0.350 (8.9)              | 1.450 (36.8)          | 1              | 5000            | B30-R4300   |
| BBP33 only   | Fig. 1  | B33-4-724   | B-724 | Matte Amber | 1.500 (38.1)            | 0.250 (6.4)              | -                         | 0.350 (8.9)              | 3.350 (85.1)          | 2              | 5000            | B30-R4300   |

## Static Dissipative Polyimide Labels (B-717, B-718, B-719)

- Circuit board and electronic component ID with 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
- For top or bottom-side component or board identification






**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 #   | B#    | 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 (B-717 gloss white):</b>  |         |             |       |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only  | Fig. 2  | B33-46-717  | B-717 | 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  | B33-103-717 | B-717 | 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  | B33-43-717  | B-717 | 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  | B33-45-717  | B-717 | Gloss White | 1.500 (38.1)            | 0.250 (6.4)              | -                         | 0.350 (8.9)              | 1.700 (43.2)          | 1              | 5000            | B30-R6000   |
| <b>Low profile label (B-718 gloss white):</b>   |         |             |       |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only  | Fig. 4  | B33-11-718  | B-718 | Gloss White | 0.250 (6.4)             | 0.250 (6.4)              | 0.250 (6.4)               | 0.375 (9.5)              | 3.200 (81.3)          | 12             | 15000           | B30-R6000   |
| BBP33 only  | Fig. 1  | B33-38-718  | B-718 | Gloss White | 0.375 (9.5)             | 0.375 (9.5)              | 0.438 (11.1)              | 0.475 (12.1)             | 3.200 (81.3)          | 9              | 5000            | B30-R6000   |
| BBP33 only  | Fig. 1  | B33-149-718 | B-718 | Gloss White | 0.500 (12.7)            | 0.500 (12.7)             | 0.600 (15.2)              | 0.600 (15.2)             | 2.500 (63.5)          | 4              | 5000            | B30-R6000   |
| BBP33 only  | Fig. 1  | B33-1-718   | B-718 | 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  | B33-46-718  | B-718 | 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  | B33-49-718  | B-718 | 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  | B33-43-718  | B-718 | 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  | B33-45-718  | B-718 | Gloss White | 1.500 (38.1)            | 0.250 (6.4)              | -                         | 0.350 (8.9)              | 1.700 (43.2)          | 1              | 5000            | B30-R6000   |
| BBP33 only  | Fig. 2  | B33-72-718  | B-718 | Gloss White | 1.750 (44.5)            | 0.250 (6.4)              | -                         | 0.350 (8.9)              | 1.950 (49.5)          | 1              | 5000            | B30-R6000   |
| <b>Low profile label - Matte white to prevent sticking of solder balls (B-719 matte white):</b> |         |             |       |             |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only  | Fig. 1  | B33-38-719  | B-719 | Matte White | 0.375 (9.5)             | 0.375 (9.5)              | 0.438 (11.1)              | 0.475 (12.1)             | 3.200 (81.3)          | 9              | 5000            | B30-R6000   |
| BBP33 only  | Fig. 2  | B33-46-719  | B-719 | Matte White | 0.750 (19.1)            | 0.250 (6.4)              | -                         | 0.350 (8.9)              | 0.950 (24.1)          | 1              | 5000            | B30-R6000   |
| BBP33 only  | Fig. 1  | B33-2-719   | B-719 | Matte White | 0.900 (22.9)            | 0.250 (6.4)              | 1.125 (28.6)              | 0.350 (8.9)              | 3.350 (85.1)          | 3              | 5000            | B30-R6000   |
| BBP33 only  | Fig. 2  | B33-42-719  | B-719 | 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  | B33-43-719  | B-719 | Matte White | 1.250 (31.8)            | 0.250 (6.4)              | -                         | 0.350 (8.9)              | 1.450 (36.8)          | 1              | 5000            | B30-R6000   |



## Vinyl Cloth Adhesive Wire & Cable Labels (B-498)

- A vinyl cloth label for marking wires, cables and inside-panel components
- Repositionable! A 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:   

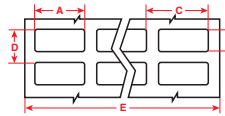
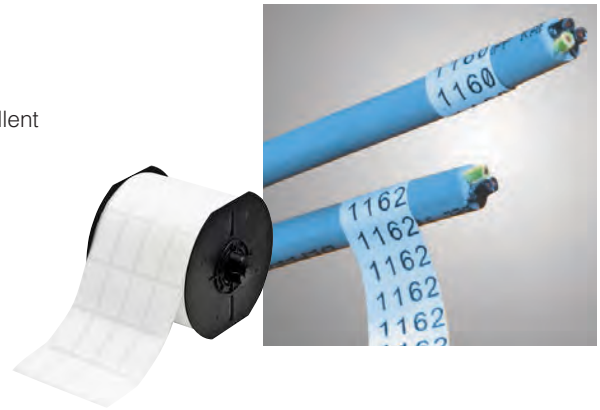





Figure 1



| Fits Printer Model(s) | Diagram | Catalog #   | B#    | 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  | B-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  | B-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  | B-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  | B33-1-498   | B-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  | B-498 | White | 0.750 (19.1)            | 0.937 (23.8)             | 0.850 (21.6)              | 1.062 (27.0)             | 3.500 (88.9)          | 4              | 2500            | B30-R6200   |
| BBP33 only            | Fig. 1  | B33-165-498 | B-498 | White | 0.800 (20.3)            | 1.437 (36.5)             | 0.900 (22.9)              | 1.562 (39.7)             | 3.700 (94.0)          | 4              | 2500            | B30-R6200   |
| BBP33 only            | Fig. 1  | B33-95-498  | B-498 | White | 0.800 (20.3)            | 1.437 (36.5)             | 0.900 (22.9)              | 1.562 (39.7)             | 2.800 (71.1)          | 3              | 2300            | B30-R6200   |
| BBP33 only            | Fig. 1  | B33-5-498   | B-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  | B-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  | B-498 | White | 1.000 (25.4)            | 1.437 (36.5)             | 1.100 (27.9)              | 1.562 (39.7)             | 3.400 (86.4)          | 3              | 2300            | B30-R6200   |

## Terminal Block Adhesive Strips (B-498)

- 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:   

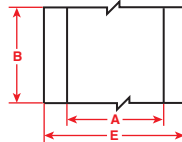


Figure 3

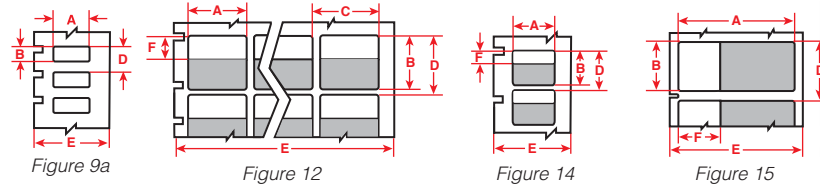


| Fits Printer Model(s) | Diagram | Catalog #    | B#    | Color | Label Width A Inch (mm) | Roll Length B Feet (m) | Web Width E Inch (mm) | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|--------------|-------|-------|-------------------------|------------------------|-----------------------|-----------------|-------------|
| BBP33 only            | Fig. 3  | B33C-240-498 | B-498 | White | 0.240 (6.1)             | 85 ft. (25.9m)         | 1.000 (25.4)          | 1 roll (cont.)  | B30-R6200   |
| BBP33 only            | Fig. 3  | B33C-312-498 | B-498 | White | 0.312 (7.9)             | 85 ft. (25.9m)         | 1.000 (25.4)          | 1 roll (cont.)  | B30-R6200   |
| BBP33 only            | Fig. 3  | B33C-375-498 | B-498 | White | 0.375 (9.5)             | 85 ft. (25.9m)         | 1.000 (25.4)          | 1 roll (cont.)  | B30-R6200   |

## Self-Laminating 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
- Vinyl with permanent acrylic adhesive designed specifically for tightly curved surfaces

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

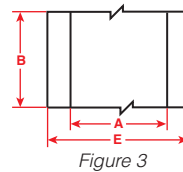


| Fits Printer Model(s) | Diagram | Catalog #     | B#    | Color | Label Width A Inch (mm) | Label Height B Inch (mm) | Horiz. Repeat C Inch (mm) | Vert. Repeat D Inch (mm) | Web Width E Inch (mm) | Print Area Height F Inch (mm) | Labels Per Row | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|---------------|-------|-------|-------------------------|--------------------------|---------------------------|--------------------------|-----------------------|-------------------------------|----------------|-----------------|-------------|
| BBP33 only            | Fig. 12 | B33-80-427    | B-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 | B33-113-427   | B-427 | White | 0.500 (12.7)            | 1.000 (25.4)             | 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     | B-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    | B-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    | B-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              | 3500            | B30-R4300   |
| BBP33 only            | Fig. 12 | B33-74-427    | B-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              | 4000            | B30-R4300   |
| BBP33 only            | Fig. 12 | B33-115-427   | B-427 | White | 1.000 (25.4)            | 0.750 (19.1)             | 1.100 (27.9)              | 0.875 (22.2)             | 2.300 (58.4)          | 0.375 (9.5)                   | 2              | 2500            | B30-R4300   |
| BBP33 only            | Fig. 12 | B33-116-427   | B-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. 12 | B33-9-427     | B-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. 12 | B33-75-427    | B-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              | 1400            | B30-R4300   |
| BBP33 only            | Fig. 15 | B33-131-427   | B-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 | B33-10-427    | B-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              | 1200            | B30-R4300   |
| BBP33 only            | Fig. 12 | B33-81-427    | B-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. 9a | B33-135-427AW | B-427 | 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 | B33-118-427   | B-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   | B-427 | White | 1.500 (38.1)            | 1.500 (38.1)             | -                         | 1.750 (44.5)             | 1.700 (43.2)          | 0.500 (12.7)                  | 1              | 1000            | B30-R4300   |
| BBP33 only            | Fig. 14 | B33-272-427   | B-427 | White | 1.500 (38.1)            | 2.250 (57.2)             | -                         | 2.500 (63.5)             | 1.700 (43.2)          | 0.750 (19.1)                  | 1              | 700             | B30-R4300   |
| BBP33 only            | Fig. 14 | B33-120-427   | B-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   | B-427 | White | 1.750 (44.5)            | 1.500 (38.1)             | -                         | 1.750 (44.5)             | 1.950 (49.5)          | 0.500 (12.7)                  | 1              | 1000            | B30-R4300   |
| BBP33 only            | Fig. 14 | B33-273-427   | B-427 | White | 1.750 (44.5)            | 2.250 (57.2)             | -                         | 2.500 (63.5)             | 1.950 (49.5)          | 0.750 (19.1)                  | 1              | 500             | B30-R4300   |
| BBP33 only            | Fig. 9a | B33-137-427AW | B-427 | 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    | B-427 | White | 2.000 (50.8)            | 3.750 (95.3)             | -                         | 4.000 (101.6)            | 2.200 (55.9)          | 1.000 (25.4)                  | 1              | 400             | B30-R4300   |
| BBP33 only            | Fig. 14 | B33-26-427    | B-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   |
| BBP33 only            | Fig. 14 | B33-82-427    | B-427 | White | 2.000 (50.8)            | 6.000 (152.4)            | -                         | 6.187 (157.1)            | 2.200 (55.9)          | 1.500 (38.1)                  | 1              | 200             | B30-R4300   |

## Patch Panel Adhesive Strips (B-422)

- Continuous supply in 3 widths to make labeling patch panels quick and easy
- Aggressive adhesive suitable for rough, highly textured and powder-coated surfaces as well as smooth surfaces

Service temp: -40°F to 212°F  
Agency Approvals:



| Fits Printer Model(s) | Diagram | Catalog #    | B#    | Color | Label Width A Inch (mm) | Roll Length B Feet (m) | Web Width E Inch (mm) | Labels Per Roll | Rec. Ribbon |
|-----------------------|---------|--------------|-------|-------|-------------------------|------------------------|-----------------------|-----------------|-------------|
| BBP33 only            | Fig. 3  | B33C-240-422 | B-422 | White | 0.240 (6.1)             | 85ft (25.9m)           | 1.000 (25.4)          | 1 roll (cont.)  | B30-R6000   |
| BBP33 only            | Fig. 3  | B33C-312-422 | B-422 | White | 0.312 (7.9)             | 85ft (25.9m)           | 1.000 (25.4)          | 1 roll (cont.)  | B30-R6000   |
| BBP33 only            | Fig. 3  | B33C-375-422 | B-422 | White | 0.375 (9.5)             | 85ft (25.9m)           | 1.000 (25.4)          | 1 roll (cont.)  | B30-R6000   |

## Tedlar<sup>®</sup> Adhesive Wire & Cable Labels (B-437)

- Topcoated Polyvinylfluoride label for wire & cable marking where high temperature and self-extinguishing features are required
- Heavy duty performance with excellent resistance to water, oil and other fluids
- Meets MIL-M-87958 Standard

Service temp: -94°F to 275°F  
Agency Approvals: **RoHS**

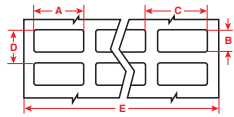


Figure 1

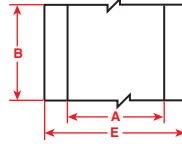


Figure 3

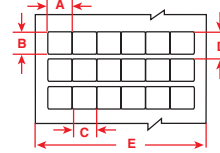


Figure 4



| Fits Printer Model(s)   | Diagram | Catalog #       | B#    | 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. 4  | B33-11-437      | B-437 | White  | 0.250 (6.4)             | 0.250 (6.4)              | 0.250 (6.4)               | 0.375 (9.5)              | 3.200 (81.3)          | 12             | 15000           | B30-R4300   |
| BBP33 only              | Fig. 1  | B33-1-437       | B-437 | White  | 0.750 (19.1)            | 0.250 (6.4)              | 0.800 (20.3)              | 0.350 (8.9)              | 3.350 (85.1)          | 4              | 5000            | B30-R4300   |
| BBP33 only              | Fig. 1  | B33-2-437       | B-437 | White  | 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  | B33-5-437       | B-437 | 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. 1  | B33-29-437      | B-437 | White  | 1.250 (31.8)            | 0.375 (9.5)              | 1.300 (33.0)              | 0.475 (12.1)             | 2.750 (69.9)          | 2              | 5000            | B30-R4300   |
| BBP33 only              | Fig. 1  | B33-5-437YL     | B-437 | Yellow | 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. 1  | B33-29-437YL    | B-437 | Yellow | 1.250 (31.8)            | 0.375 (9.5)              | 1.300 (33.0)              | 0.475 (12.1)             | 2.750 (69.9)          | 2              | 5000            | B30-R4300   |
| <b>Continuous Rolls</b> |         |                 |       |        |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only              | Fig. 3  | B33C-1000-437   | B-437 | White  | 1.000 (25.4)            | 85ft. (25.9m)            | -                         | -                        | 1.200 (30.5)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP33 only              | Fig. 3  | B33C-1500-437   | B-437 | White  | 1.500 (38.1)            | 85ft. (25.9m)            | -                         | -                        | 1.900 (48.3)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP33 only              | Fig. 3  | B33C-2000-437   | B-437 | White  | 2.000 (50.8)            | 85ft. (25.9m)            | -                         | -                        | 2.200 (55.9)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP33 only              | Fig. 3  | B33C-3000-437   | B-437 | White  | 3.000 (76.2)            | 85ft. (25.9m)            | -                         | -                        | 3.400 (86.4)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP33 only              | Fig. 3  | B33C-1000-437YL | B-437 | Yellow | 1.000 (25.4)            | 85ft. (25.9m)            | -                         | -                        | 1.200 (30.5)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP33 only              | Fig. 3  | B33C-1500-437YL | B-437 | Yellow | 1.500 (38.1)            | 85ft. (25.9m)            | -                         | -                        | 1.900 (48.3)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP33 only              | Fig. 3  | B33C-2000-437YL | B-437 | Yellow | 2.000 (50.8)            | 85ft. (25.9m)            | -                         | -                        | 2.200 (55.9)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP33 only              | Fig. 3  | B33C-3000-437YL | B-437 | Yellow | 3.000 (76.2)            | 85ft. (25.9m)            | -                         | -                        | 3.400 (86.4)          | 1 roll (cont.) |                 | B30-R4300   |

## Polyimide High Temp Adhesive Wire & Cable Labels (B-472)

- Topcoated Polyimide label for wire & cable marking where high temperature and self-extinguishing features are required
- Heavy duty performance with excellent resistance to water, oil and other fluids

Service temp: -94°F to 320°F  
Agency Approvals: **RoHS**

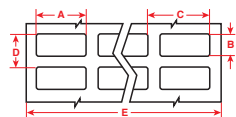


Figure 1

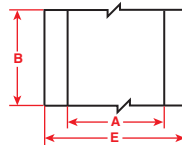


Figure 3

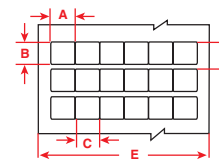


Figure 4



| Fits Printer Model(s)   | Diagram | Catalog #       | B#    | 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. 4  | B33-11-472      | B-472 | White  | 0.250 (6.4)             | 0.250 (6.4)              | 0.250 (6.4)               | 0.375 (9.5)              | 3.200 (81.3)          | 12             | 15000           | B30-R4300   |
| BBP33 only              | Fig. 1  | B33-1-472       | B-472 | White  | 0.750 (19.1)            | 0.250 (6.4)              | 0.800 (20.3)              | 0.350 (8.9)              | 3.350 (85.1)          | 4              | 5000            | B30-R4300   |
| BBP33 only              | Fig. 1  | B33-2-472       | B-472 | White  | 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  | B33-5-472       | B-472 | 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. 1  | B33-29-472      | B-472 | White  | 1.250 (31.8)            | 0.375 (9.5)              | 1.300 (33.0)              | 0.475 (12.1)             | 2.750 (69.9)          | 2              | 5000            | B30-R4300   |
| BBP33 only              | Fig. 1  | B33-5-472YL     | B-472 | Yellow | 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. 1  | B33-29-472YL    | B-472 | Yellow | 1.250 (31.8)            | 0.375 (9.5)              | 1.300 (33.0)              | 0.475 (12.1)             | 2.750 (69.9)          | 2              | 5000            | B30-R4300   |
| <b>Continuous Rolls</b> |         |                 |       |        |                         |                          |                           |                          |                       |                |                 |             |
| BBP33 only              | Fig. 3  | B33C-1000-472   | B-472 | White  | 1.000 (25.4)            | 85ft. (25.9m)            | -                         | -                        | 1.200 (30.5)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP33 only              | Fig. 3  | B33C-1500-472   | B-472 | White  | 1.500 (38.1)            | 85ft. (25.9m)            | -                         | -                        | 1.900 (48.3)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP33 only              | Fig. 3  | B33C-2000-472   | B-472 | White  | 2.000 (50.8)            | 85ft. (25.9m)            | -                         | -                        | 2.200 (55.9)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP33 only              | Fig. 3  | B33C-3000-472   | B-472 | White  | 3.000 (76.2)            | 85ft. (25.9m)            | -                         | -                        | 3.400 (86.4)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP33 only              | Fig. 3  | B33C-1000-472YL | B-472 | Yellow | 1.000 (25.4)            | 85ft. (25.9m)            | -                         | -                        | 1.200 (30.5)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP33 only              | Fig. 3  | B33C-1500-472YL | B-472 | Yellow | 1.500 (38.1)            | 85ft. (25.9m)            | -                         | -                        | 1.900 (48.3)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP33 only              | Fig. 3  | B33C-2000-472YL | B-472 | Yellow | 2.000 (50.8)            | 85ft. (25.9m)            | -                         | -                        | 2.200 (55.9)          | 1 roll (cont.) |                 | B30-R4300   |
| BBP33 only              | Fig. 3  | B33C-3000-472YL | B-472 | Yellow | 3.000 (76.2)            | 85ft. (25.9m)            | -                         | -                        | 3.400 (86.4)          | 1 roll (cont.) |                 | B30-R4300   |



## PermaSleeve<sup>®</sup> 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



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

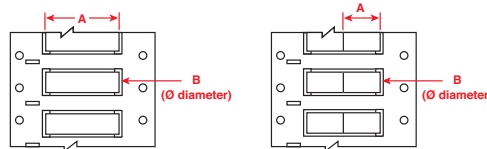


Figure 20

Figure 20-2



| Fits Printer Model  | Diagram   | Catalog #          | Material | Color  | For Wire Gauge (approx.) | For Wire Diameters Inch (mm) Min. Max. | Supplied Diameter B Inch (mm) | Recovered Diameter Inch (mm) | Recovered Wall Thickness Inch (mm) | Sleeves Per Row | Per Roll | Rec. Ribbon  |
|---|-----------|--------------------|----------|--------|--------------------------|--|-------------------------------|------------------------------|------------------------------------|-----------------|----------|--------------|
| <b>3:1 Shrink ratio single-side printable, 2" sleeve width (dimension A):</b>                                 |           |                    |          |        |                          |  |                               |                              |                                    |                 |          |              |
| BBP33   | Fig. 20   | B33-94-2-342       | B-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   | Fig. 20   | B33-125-2-342      | B-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   | Fig. 20   | B33-187-2-342      | B-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               | 750      | B30-R4300    |
| BBP33   | Fig. 20   | B33-250-2-342      | B-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   | Fig. 20   | B33-375-2-342      | B-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               | 500      | B30-R4300    |
| BBP33   | Fig. 20   | B33-500-2-342      | B-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               | 350      | B30-R4300    |
| BBP33   | Fig. 20   | B33-750-2-342      | B-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               | 250      | B30-R4300    |
| BBP33   | Fig. 20   | B33-1000-2-342     | B-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               | 250      | B30-R4300    |
| BBP33   | Fig. 20   | B33-1500-2-342     | B-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               | 150      | B30-R4300    |
| BBP33   | Fig. 20   | B33-94-2-342YL     | B-342    | 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   | Fig. 20   | B33-125-2-342YL    | B-342    | 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   | Fig. 20   | B33-187-2-342YL    | B-342    | 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   | Fig. 20   | B33-250-2-342YL    | B-342    | 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   | Fig. 20   | B33-375-2-342YL    | B-342    | 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   | Fig. 20   | B33-500-2-342YL    | B-342    | 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               | 500      | B30-R4300    |
| BBP33   | Fig. 20   | B33-750-2-342YL    | B-342    | 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               | 350      | B30-R4300    |
| BBP33   | Fig. 20   | B33-1000-2-342YL   | B-342    | 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               | 250      | B30-R4300    |
| BBP33   | Fig. 20   | B33-1500-2-342YL   | B-342    | 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               | 150      | B30-R4300    |
| BBP33   | Fig. 20   | B33-1500-2-342BK   | B-342    | 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               | 150      | B30-R4500-SV |
| <b>3:1 Shrink ratio single-side printable, 1" sleeve width in "2-up pre-cut" configuration (dimension A):</b> |           |                    |          |        |                          |  |                               |                              |                                    |                 |          |              |
| BBP33   | Fig. 20-2 | B33-94-2-342-2     | B-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)         | 2               | 2000     | B30-R4300    |
| BBP33   | Fig. 20-2 | B33-125-2-342-2    | B-342    | White  | 22 to 16                 | 0.046 (1.2) - 0.111 (2.8)              | 0.125 (3.2)                   | 0.047 (1.2)                  | .020 (0.5) +/- .003 (0.07)         | 2               | 2000     | B30-R4300    |
| BBP33   | Fig. 20-2 | B33-187-2-342-2    | B-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)         | 2               | 1500     | B30-R4300    |
| BBP33   | Fig. 20-2 | B33-250-2-342-2    | B-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)         | 2               | 1000     | B30-R4300    |
| BBP33   | Fig. 20-2 | B33-375-2-342-2    | B-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)         | 2               | 1000     | B30-R4300    |
| BBP33   | Fig. 20-2 | B33-500-2-342-2    | B-342    | White  | 8 to 1                   | 0.187 (4.8) - 0.450 (11.4)             | 0.500 (12.7)                  | 0.119 (3.0)                  | .025 (0.6) +/- .003 (0.07)         | 2               | 700      | B30-R4300    |
| BBP33   | Fig. 20-2 | B33-750-2-342-2    | B-342    | White  | 6 to 4/0                 | 0.250 (6.4) - 0.700 (17.8)             | 0.750 (19.1)                  | 0.250 (6.35)                 | .025 (0.6) +/- .003 (0.07)         | 2               | 500      | B30-R4300    |
| BBP33   | Fig. 20-2 | B33-1000-2-342-2   | B-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)         | 2               | 500      | B30-R4300    |
| BBP33   | Fig. 20-2 | B33-1500-2-342-2   | B-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)         | 2               | 150      | B30-R4300    |
| BBP33   | Fig. 20-2 | B33-94-2-342YL-2   | B-342    | 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)         | 2               | 2000     | B30-R4300    |
| BBP33   | Fig. 20-2 | B33-125-2-342YL-2  | B-342    | Yellow | 22 to 16                 | 0.046 (1.2) - 0.111 (2.8)              | 0.125 (3.2)                   | 0.047 (1.2)                  | .020 (0.5) +/- .003 (0.07)         | 2               | 2000     | B30-R4300    |
| BBP33   | Fig. 20-2 | B33-500-2-342YL-2  | B-342    | Yellow | 8 to 1                   | 0.187 (4.8) - 0.450 (11.4)             | 0.500 (12.7)                  | 0.119 (3.0)                  | .025 (0.6) +/- .003 (0.07)         | 2               | 700      | B30-R4300    |
| BBP33   | Fig. 20-2 | B33-750-2-342YL-2  | B-342    | Yellow | 6 to 4/0                 | 0.250 (6.4) - 0.700 (17.8)             | 0.750 (19.1)                  | 0.250 (6.35)                 | .025 (0.6) +/- .003 (0.07)         | 2               | 500      | B30-R4300    |
| BBP33   | Fig. 20-2 | B33-1000-2-342YL-2 | B-342    | 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)         | 2               | 500      | B30-R4300    |
| BBP33   | Fig. 20-2 | B33-1500-2-342YL-2 | B-342    | 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)         | 2               | 300      | B30-R4300    |

## PermaSleeve® PS Polyolefin Wire Marking Sleeves (Continued)

| Fits Printer Model   | Diagram | Catalog #         | Material | Color  | For Wire Gauge (approx.) | For Wire Diameters Inch (mm) Min. Max. | Supplied Diameter B Inch (mm) | Recovered Diameter Inch (mm) | Recovered Wall Thickness Inch (mm) | Sleeves Per Row | Sleeves Per Roll | Rec. Ribbon  |
|--|---------|-------------------|----------|--------|--------------------------|--|-------------------------------|------------------------------|------------------------------------|-----------------|------------------|--------------|
| 3:1 Shrink ratio double-side printable, 2" sleeve width (dimension A): |         |                   |          |        |                          |  |                               |                              |                                    |                 |                  |              |
| BBP33  | Fig. 20 | B33D-94-2-342     | B-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  | Fig. 20 | B33D-187-2-342    | B-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               | 750              | B30-R4300    |
| BBP33  | Fig. 20 | B33D-125-2-342    | B-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  | Fig. 20 | B33D-250-2-342    | B-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  | Fig. 20 | B33D-375-2-342    | B-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               | 500              | B30-R4300    |
| BBP33  | Fig. 20 | B33D-500-2-342    | B-342    | White  | 8 to 1                   | 0.187 (4.8) - 0.450 (11.4)             | 0.500 (12.7)                  | 1.187 (4.7)                  | .025 (0.6) +/- .003 (0.07)         | 1               | 350              | B30-R4300    |
| BBP33  | Fig. 20 | B33D-750-2-342    | B-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               | 250              | B30-R4300    |
| BBP33  | Fig. 20 | B33D-1000-2-342   | B-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               | 250              | B30-R4300    |
| BBP33  | Fig. 20 | B33D-1500-2-342   | B-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               | 150              | B30-R4300    |
| BBP33  | Fig. 20 | B33D-94-2-342YL   | B-342    | 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  | Fig. 20 | B33D-125-2-342YL  | B-342    | 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  | Fig. 20 | B33D-187-2-342YL  | B-342    | 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               | 750              | B30-R4300    |
| BBP33  | Fig. 20 | B33D-250-2-342YL  | B-342    | 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  | Fig. 20 | B33D-375-2-342YL  | B-342    | 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               | 500              | B30-R4300    |
| BBP33  | Fig. 20 | B33D-500-2-342YL  | B-342    | Yellow | 8 to 1                   | 0.187 (4.8) - 0.450 (11.4)             | 0.500 (12.7)                  | 1.187 (4.7)                  | .025 (0.6) +/- .003 (0.07)         | 1               | 350              | B30-R4300    |
| BBP33  | Fig. 20 | B33D-750-2-342YL  | B-342    | 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               | 250              | B30-R4300    |
| BBP33  | Fig. 20 | B33D-1000-2-342YL | B-342    | 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               | 250              | B30-R4300    |
| BBP33  | Fig. 20 | B33D-1500-2-342YL | B-342    | 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               | 150              | B30-R4300    |
| BBP33  | Fig. 20 | B33D-94-2-342BK   | B-342    | 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-R4500-SV |
| BBP33  | Fig. 20 | B33D-125-2-342BK  | B-342    | 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-R4500-SV |
| BBP33  | Fig. 20 | B33D-187-2-342BK  | B-342    | 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               | 750              | B30-R4500-SV |
| BBP33  | Fig. 20 | B33D-250-2-342BK  | B-342    | 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-R4500-SV |
| BBP33  | Fig. 20 | B33D-375-2-342BK  | B-342    | 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               | 500              | B30-R4500-SV |
| BBP33  | Fig. 20 | B33D-500-2-342BK  | B-342    | Black  | 8 to 1                   | 0.187 (4.8) - 0.450 (11.4)             | 0.500 (12.7)                  | 1.187 (4.7)                  | .025 (0.6) +/- .003 (0.07)         | 1               | 350              | B30-R4500-SV |
| BBP33  | Fig. 20 | B33D-750-2-342BK  | B-342    | 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               | 250              | B30-R4500-SV |
| BBP33  | Fig. 20 | B33D-1000-2-342BK | B-342    | 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               | 250              | B30-R4500-SV |
| BBP33  | Fig. 20 | B33D-1500-2-342BK | B-342    | 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               | 150              | B30-R4500-SV |



### BBP®33 Prints Double-Sided Wire Sleeves!

#### Print double sided sleeves with no wasted labels!

Double sided sleeves are fast and easy with the BBP®33 printer. Use the appropriate double sided sleeve part and create your print job using LabelMark® software's "two-sided print" feature. After the first side of your print job is complete, the software prompts you to cut the media and re-insert it for a second print pass.



## PermaSleeve<sup>®</sup> 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

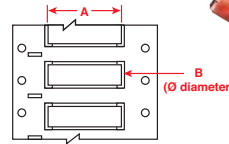


Figure 20



| Fits Printer Model  | Diagram | Catalog #         | Material | Color | For Wire Gauge (approx.) | For Wire Diameters Inch (mm) Min. Max. | Supplied Diameter B Inch (mm) | Recovered Diameter Inch (mm) | Recovered Wall Thickness Inch (mm) | Sleeves Per Row | Per Roll | Rec. Ribbon  |
|---|---------|-------------------|----------|-------|--------------------------|--|-------------------------------|------------------------------|------------------------------------|-----------------|----------|--------------|
| <b>3:1 Shrink ratio double-side printable, 2" sleeve width (dimension A):</b> |         |                   |          |       |                          |  |                               |                              |                                    |                 |          |              |
| BBP33   | Fig. 20 | B33D-94-2-345     | B-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               | 1000     | B30-R6000    |
| BBP33   | Fig. 20 | B33D-94-2-345BK   | B-345    | 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               | 1000     | B30-R4400-WT |
| <b>2:1 Shrink ratio double-side printable, 2" sleeve width (dimension A):</b> |         |                   |          |       |                          |  |                               |                              |                                    |                 |          |              |
| BBP33   | Fig. 20 | B33D-125-2-345    | B-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               | 1000     | B30-R6000    |
| BBP33   | Fig. 20 | B33D-187-2-345    | B-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               | 750      | B30-R6000    |
| BBP33   | Fig. 20 | B33D-250-2-345    | B-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               | 500      | B30-R6000    |
| BBP33   | Fig. 20 | B33D-375-2-345    | B-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               | 500      | B30-R6000    |
| BBP33   | Fig. 20 | B33D-500-2-345    | B-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               | 350      | B30-R6000    |
| BBP33   | Fig. 20 | B33D-750-2-345    | B-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               | 250      | B30-R6000    |
| BBP33   | Fig. 20 | B33D-1000-2-345   | B-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               | 250      | B30-R6000    |
| BBP33   | Fig. 20 | B33D-1500-2-345   | B-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               | 150      | B30-R6000    |
| BBP33   | Fig. 20 | B33D-125-2-345BK  | B-345    | 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               | 1000     | B30-R4400-WT |
| BBP33   | Fig. 20 | B33D-187-2-345BK  | B-345    | 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               | 750      | B30-R4400-WT |
| BBP33   | Fig. 20 | B33D-250-2-345BK  | B-345    | 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               | 500      | B30-R4400-WT |
| BBP33   | Fig. 20 | B33D-375-2-345BK  | B-345    | 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               | 500      | B30-R4400-WT |
| BBP33   | Fig. 20 | B33D-500-2-345BK  | B-345    | 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               | 350      | B30-R4400-WT |
| BBP33   | Fig. 20 | B33D-750-2-345BK  | B-345    | Black | 3 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               | 250      | B30-R4400-WT |
| BBP33   | Fig. 20 | B33D-1000-2-345BK | B-345    | 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               | 250      | B30-R4400-WT |
| BBP33   | Fig. 20 | B33D-1500-2-345BK | B-345    | 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               | 150      | B30-R4400-WT |

## PermaSleeve<sup>®</sup> HX Polyolefin Wire Marking Sleeves (B-7642)

Military/Industrial Grade. 2:1 Shrink ratio.

- 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)

Agency Approval: RoHS

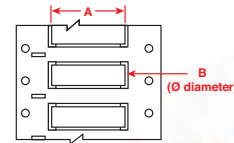
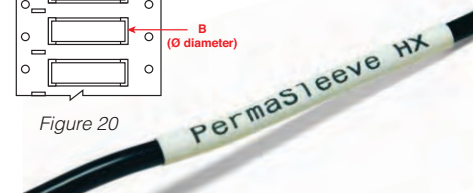


Figure 20



| Fits Printer Model  | Diagram | Catalog #        | Material | Color | For Wire Gauge (approx.) | For Wire Diameters Inch (mm) Min. Max. | Supplied Diameter B Inch (mm) | Recovered Diameter Inch (mm) | Recovered Wall Thickness Inch (mm) | Sleeves Per Row | Per Roll | Rec. Ribbon |
|---|---------|------------------|----------|-------|--------------------------|--|-------------------------------|------------------------------|------------------------------------|-----------------|----------|-------------|
| <b>3:1 Shrink ratio single-side printable, 2" sleeve width (dimension A):</b> |         |                  |          |       |                          |  |                               |                              |                                    |                 |          |             |
| BBP33   | Fig. 20 | B33-94-2-7642    | B-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   | Fig. 20 | B33-125-2-7642   | B-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   | Fig. 20 | B33-187-2-7642   | B-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               | 450      | B30-R4300   |
| BBP33   | Fig. 20 | B33-250-2-7642   | B-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               | 400      | B30-R4300   |
| BBP33   | Fig. 20 | B33-375-2-7642   | B-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   | Fig. 20 | B33-500-2-7642   | B-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               | 225      | B30-R4300   |
| BBP33   | Fig. 20 | B33-750-2-7642   | B-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   | Fig. 20 | B33-1000-2-7642  | B-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   | Fig. 20 | B33-1500-2-7642  | B-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   | Fig. 20 | B33-2000-2-7642  | B-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>3:1 Shrink ratio double-side printable, 2" sleeve width (dimension A):</b> |         |                  |          |       |                          |  |                               |                              |                                    |                 |          |             |
| BBP33   | Fig. 20 | B33D-94-2-7642   | B-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   | Fig. 20 | B33D-125-2-7642  | B-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   | Fig. 20 | B33D-187-2-7642  | B-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               | 450      | B30-R4300   |
| BBP33   | Fig. 20 | B33D-250-2-7642  | B-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               | 400      | B30-R4300   |
| BBP33   | Fig. 20 | B33D-375-2-7642  | B-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   | Fig. 20 | B33D-500-2-7642  | B-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               | 225      | B30-R4300   |
| BBP33   | Fig. 20 | B33D-750-2-7642  | B-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   | Fig. 20 | B33D-1000-2-7642 | B-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   | Fig. 20 | B33D-1500-2-7642 | B-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   | Fig. 20 | B33D-2000-2-7642 | B-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   |



## PermaSleeve® FR Fluid Resistant Wire Marking Sleeves (B-344)

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

- Designed for labeling wires in applications where they will be exposed to fuels, lubricants and harsh chemicals such as in the installation of hydrogen fuel cells in aerospace
- Resistant to harsh chemicals including JP8 Jet Fuel, Skydrol® and DOT 3 brake fluid
- Meets the following industry specifications:
  - SAE-AMS-DTL-23053/6 (class 1)
  - MIL-STD-202G method 215K

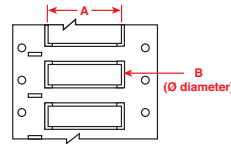


Figure 20



Service temp: -94°F to 267°F  
Agency Approvals for: **RoHS**

| Fits Printer Model  | Diagram | Catalog #         | Material | Color  | For Wire Gauge (approx.) | For Wire Diameters Inch (mm) Min. Max. | Supplied Diameter B Inch (mm) | Recovered Diameter Inch (mm) | Recovered Wall Thickness Inch (mm) | Sleeves Per Row | Per Roll | Rec. Ribbon  |
|---|---------|-------------------|----------|--------|--------------------------|--|-------------------------------|------------------------------|------------------------------------|-----------------|----------|--------------|
| <b>3:1 Shrink ratio double-side printable, 2" sleeve width (dimension A):</b> |         |                   |          |        |                          |  |                               |                              |                                    |                 |          |              |
| BBP33   | Fig. 20 | B33D-94-2-344     | B-344    | White  | 28 to 20                 | 0.023 (0.6) - 0.080 (2.0)              | 0.094 (2.4)                   | 0.024 (0.6)                  | 0.024 (0.6) +/- 0.003 (0.1)        | 1               | 1000     | B30-R6600    |
| BBP33   | Fig. 20 | B33D-125-2-344    | B-344    | White  | 22 to 16                 | 0.046 (1.2) - 0.111 (2.8)              | 0.125 (3.1)                   | 0.047 (1.2)                  | 0.020 (0.5) +/- 0.003 (0.1)        | 1               | 1000     | B30-R6600    |
| BBP33   | Fig. 20 | B33D-187-2-344    | B-344    | White  | 20 to 10                 | 0.062 (1.6) - 0.15 (3.81)              | 0.187 (4.8)                   | 0.062 (1.6)                  | 0.020 (0.5) +/- 0.003 (0.1)        | 1               | 750      | B30-R6600    |
| BBP33   | Fig. 20 | B33D-250-2-344    | B-344    | White  | 16 to 8                  | 0.094 (2.4) - 0.215 (5.5)              | 0.250 (6.35)                  | 0.093 (2.4)                  | 0.025 (0.6) +/- 0.003 (0.1)        | 1               | 500      | B30-R6600    |
| BBP33   | Fig. 20 | B33D-375-2-344    | B-344    | White  | 12 to 4                  | 0.125 (3.2) - 0.320 (8.1)              | 0.375 (9.5)                   | 0.125 (3.2)                  | 0.025 (0.6) +/- 0.003 (0.1)        | 1               | 500      | B30-R6600    |
| BBP33   | Fig. 20 | B33D-500-2-344    | B-344    | White  | 8 to 1                   | 0.187 (4.8) - 0.450 (11.4)             | 0.500 (12.7)                  | 0.119 (3.0)                  | 0.025 (0.6) +/- 0.003 (0.1)        | 1               | 350      | B30-R6600    |
| BBP33   | Fig. 20 | B33D-750-2-344    | B-344    | White  | 6 to 4/0                 | 0.250 (6.4) - 0.700 (17.8)             | 0.750 (19.05)                 | 0.250 (6.35)                 | 0.025 (0.6) +/- 0.003 (0.1)        | 1               | 250      | B30-R6600    |
| BBP33   | Fig. 20 | B33D-1000-2-344   | B-344    | White  | 2 to 0.950 dia           | 0.333 (8.5) - 0.950 (24.1)             | 1.000 (25.4)                  | 0.375 (9.5)                  | 0.036 (0.9) +/- 0.003 (0.1)        | 1               | 250      | B30-R6600    |
| BBP33   | Fig. 20 | B33D-1500-2-344   | B-344    | White  | n/a                      | 0.500 (12.7) - 1.400 (35.6)            | 1.500 (38.1)                  | 0.500 (12.7)                 | 0.035 (0.9) +/- 0.003 (0.1)        | 1               | 150      | B30-R6600    |
| BBP33   | Fig. 20 | B33D-94-2-344YL   | B-344    | Yellow | 28 to 20                 | 0.023 (0.6) - 0.080 (2.0)              | 0.094 (2.4)                   | 0.024 (0.6)                  | 0.024 (0.6) +/- 0.003 (0.1)        | 1               | 1000     | B30-R6600    |
| BBP33   | Fig. 20 | B33D-125-2-344YL  | B-344    | Yellow | 22 to 16                 | 0.046 (1.2) - 0.111 (2.8)              | 0.125 (3.1)                   | 0.047 (1.2)                  | 0.020 (0.5) +/- 0.003 (0.1)        | 1               | 1000     | B30-R6600    |
| BBP33   | Fig. 20 | B33D-187-2-344YL  | B-344    | Yellow | 20 to 10                 | 0.062 (1.6) - 0.15 (3.81)              | 0.187 (4.8)                   | 0.062 (1.6)                  | 0.020 (0.5) +/- 0.003 (0.1)        | 1               | 750      | B30-R6600    |
| BBP33   | Fig. 20 | B33D-250-2-344YL  | B-344    | Yellow | 16 to 8                  | 0.094 (2.4) - 0.215 (5.5)              | 0.250 (6.35)                  | 0.093 (2.4)                  | 0.025 (0.6) +/- 0.003 (0.1)        | 1               | 500      | B30-R6600    |
| BBP33   | Fig. 20 | B33D-375-2-344YL  | B-344    | Yellow | 12 to 4                  | 0.125 (3.2) - 0.320 (8.1)              | 0.375 (9.5)                   | 0.125 (3.2)                  | 0.025 (0.6) +/- 0.003 (0.1)        | 1               | 500      | B30-R6600    |
| BBP33   | Fig. 20 | B33D-500-2-344YL  | B-344    | Yellow | 8 to 1                   | 0.187 (4.8) - 0.450 (11.4)             | 0.500 (12.7)                  | 0.119 (3.0)                  | 0.025 (0.6) +/- 0.003 (0.1)        | 1               | 350      | B30-R6600    |
| BBP33   | Fig. 20 | B33D-750-2-344YL  | B-344    | Yellow | 6 to 4/0                 | 0.250 (6.4) - 0.700 (17.8)             | 0.750 (19.05)                 | 0.250 (6.35)                 | 0.025 (0.6) +/- 0.003 (0.1)        | 1               | 250      | B30-R6600    |
| BBP33   | Fig. 20 | B33D-1000-2-344YL | B-344    | Yellow | 2 to 0.950 dia           | 0.333 (8.5) - 0.950 (24.1)             | 1.000 (25.4)                  | 0.375 (9.5)                  | 0.036 (0.9) +/- 0.003 (0.1)        | 1               | 250      | B30-R6600    |
| BBP33   | Fig. 20 | B33D-1500-2-344YL | B-344    | Yellow | n/a                      | 0.500 (12.7) - 1.400 (35.6)            | 1.500 (38.1)                  | 0.500 (12.7)                 | 0.035 (0.9) +/- 0.003 (0.1)        | 1               | 150      | B30-R6600    |
| BBP33   | Fig. 20 | B33D-94-2-344BK   | B-344    | Black  | 28 to 20                 | 0.023 (0.6) - 0.080 (2.0)              | 0.094 (2.4)                   | 0.024 (0.6)                  | 0.024 (0.6) +/- 0.003 (0.1)        | 1               | 1000     | B30-R6700-WT |
| BBP33   | Fig. 20 | B33D-125-2-344BK  | B-344    | Black  | 22 to 16                 | 0.046 (1.2) - 0.111 (2.8)              | 0.125 (3.1)                   | 0.047 (1.2)                  | 0.020 (0.5) +/- 0.003 (0.1)        | 1               | 1000     | B30-R6700-WT |
| BBP33   | Fig. 20 | B33D-187-2-344BK  | B-344    | Black  | 20 to 10                 | 0.062 (1.6) - 0.15 (3.81)              | 0.187 (4.8)                   | 0.062 (1.6)                  | 0.020 (0.5) +/- 0.003 (0.1)        | 1               | 750      | B30-R6700-WT |
| BBP33   | Fig. 20 | B33D-250-2-344BK  | B-344    | Black  | 16 to 8                  | 0.094 (2.4) - 0.215 (5.5)              | 0.250 (6.35)                  | 0.093 (2.4)                  | 0.025 (0.6) +/- 0.003 (0.1)        | 1               | 500      | B30-R6700-WT |
| BBP33   | Fig. 20 | B33D-375-2-344BK  | B-344    | Black  | 12 to 4                  | 0.125 (3.2) - 0.320 (8.1)              | 0.375 (9.5)                   | 0.125 (3.2)                  | 0.025 (0.6) +/- 0.003 (0.1)        | 1               | 500      | B30-R6700-WT |
| BBP33   | Fig. 20 | B33D-500-2-344BK  | B-344    | Black  | 8 to 1                   | 0.187 (4.8) - 0.450 (11.4)             | 0.500 (12.7)                  | 0.119 (3.0)                  | 0.025 (0.6) +/- 0.003 (0.1)        | 1               | 350      | B30-R6700-WT |
| BBP33   | Fig. 20 | B33D-750-2-344BK  | B-344    | Black  | 6 to 4/0                 | 0.250 (6.4) - 0.700 (17.8)             | 0.750 (19.05)                 | 0.250 (6.35)                 | 0.025 (0.6) +/- 0.003 (0.1)        | 1               | 250      | B30-R6700-WT |
| BBP33   | Fig. 20 | B33D-1000-2-344BK | B-344    | Black  | 2 to 0.950 dia           | 0.333 (8.5) - 0.950 (24.1)             | 1.000 (25.4)                  | 0.375 (9.5)                  | 0.036 (0.9) +/- 0.003 (0.1)        | 1               | 250      | B30-R6700-WT |
| BBP33   | Fig. 20 | B33D-1500-2-344BK | B-344    | Black  | n/a                      | 0.500 (12.7) - 1.400 (35.6)            | 1.500 (38.1)                  | 0.500 (12.7)                 | 0.035 (0.9) +/- 0.003 (0.1)        | 1               | 150      | B30-R6700-WT |

# BBP<sup>®</sup>31 and BBP<sup>®</sup>33 Print Ribbons



Installs in 5 seconds and the ink always faces the right direction!



## Print Ribbons

“Drop & Click” print ribbons for 5 second ribbon supply changes.

- Tough, smear-proof ribbons that produce long-lasting printed text and can withstand years in industrial areas and outdoor conditions
- Self-contained cartridges 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

| Catalog #  | Color     | Catalog #                                     | Color   |
|--|-----------|---|---------|
| 4.330" x 200' Heavy-duty ribbons for outdoor & harsh facility materials: |           | 4.330" x 200' Industrial grade print ribbons: |         |
| B30-R10000   | Black     | B30-R4300                                     | Black   |
| B30-R10000-WT  | White     | B30-R6000                                     | Black   |
| B30-R10000-RD  | Red       | B30-R6200                                     | Black   |
| B30-R10000-GN  | Green     | B30-R6400                                     | Black   |
| B30-R10000-BL  | Blue      | B30-R6600                                     | Black   |
| B30-R10000-YL  | Yellow*** | B30-R4400-WT                                  | White   |
| B30-R10000-YL2   | Yellow*** | B30-R6700-WT                                  | White   |
| B30-R10000-OR  | Orange    | B30-R4500-SV                                  | Silver* |
| B30-R10000-MA  | Magenta   |   |         |

\* B30-R4500-SV for use with B-342 black PermaSleeves only.

\*\*\* For printing yellow onto white B-595 use B30-R10000-YL. For printing yellow onto other colors of B-595 use B30-R10000-YL2.

## BBP<sup>®</sup>31 & BBP<sup>®</sup>33 Print Ribbon / Material Compatibility (Updated September 2014)

Update your BBP<sup>®</sup>33 printer firmware. Recommendations below assume current firmware version. Visit [www.BradyID.com/bbp33](http://www.BradyID.com/bbp33) for free upgrade via download.

| B-# Material  | B30-R4300 (Black) | B30-R6000 (Black) | B30-R6200 (Black) | B30-R6400 (Black) | B30-R6600 (Black) | B30-R10000 (Black) | B30-R10000-WT (White) | B30-R4400-WT (White) | B30-R6700-WT (White) | B30-R10000-YL (Yellow) | B30-R10000-YL2 (Yellow) | B30-R10000 (Colors) | B30-R4500-SV (Silver) |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-----------------------|----------------------|----------------------|------------------------|-------------------------|---------------------|-----------------------|
| B-342 PermaSleeve <sup>®</sup> PS Wire Markers        | ●                 | -                 | -                 | -                 | ●                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | ●*                    |
| B-344 PermaSleeve <sup>®</sup> FR Wire Markers        | -                 | -                 | -                 | -                 | ●                 | -                  | -                     | -                    | ●                    | -                      | -                       | -                   | -                     |
| B-345 PermaSleeve <sup>®</sup> HT Wire Markers        | -                 | ●                 | -                 | -                 | ●                 | -                  | -                     | ●*                   | -                    | -                      | -                       | -                   | -                     |
| B-422 Glossy White Polyester                          | -                 | ●                 | -                 | -                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |
| 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 Glossy Metallized Polyester                     | -                 | ●                 | -                 | -                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |
| B-435 Glossy Metallized Polyester                     | -                 | ●                 | -                 | -                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |
| B-437 Tedlar <sup>®</sup>                             | ●                 | -                 | -                 | -                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |
| B-438 Tamper Evident Metallized Polyester             | ●                 | -                 | -                 | -                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |
| B-457 Glossy White Polyimide                          | -                 | ●                 | -                 | -                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |
| B-472 Topcoated Polyimide                             | ●                 | -                 | -                 | -                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |
| B-483 Glossy White Polyester                          | -                 | ●                 | -                 | -                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |
| B-484 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-565 Metallized Polyester                            | ●                 | -                 | -                 | -                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |
| 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-854 Toughwash <sup>™</sup> Metal Detectable         | -                 | ●                 | -                 | -                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |
| B-855 Toughwash <sup>™</sup>                          | -                 | ●                 | -                 | -                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |
| B-717 Glossy Static Dissipative Polyimide             | -                 | ●                 | -                 | -                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |
| B-718 Glossy Low Profile Static Dissipative Polyimide | -                 | ●                 | -                 | -                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |
| B-719 Matte Low Profile Static Dissipative Polyimide  | -                 | ●                 | -                 | -                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |
| B-7642 PermaSleeve <sup>®</sup> HX Wire Markers       | ●                 | -                 | -                 | ●                 | -                 | -                  | -                     | -                    | -                    | -                      | -                       | -                   | -                     |

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<sup>®</sup> only; B30-R4400-WT ribbon for use with B-345 black PermaSleeves<sup>®</sup> only.

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

\*\*\*For printing yellow onto white B-595 use B30-R10000-YL. For printing yellow onto other colors of B-595 use B30-R10000-YL2.



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

B30C-1125-595-YL

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

**! WARNING**

**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 removed
- 3 - 6" - Limited Approach
- 1' - 0" - Restricted Approach
- 0' - 1" - Prohibited Approach

DEVICE NAME: PLATING LINE MCC FED FROM: PLATING LINE MCC



B33-75-427

B33-75-427

B33-9-427

PROPERTY OF  
WELL CANCER RESEARCH  
INSTITUTE

**ASSET No.**

10029-LCRI

B30-222-438

PROPERTY OF  
WELL CANCER RESEARCH  
INSTITUTE

**ASSET No.**

10029-LCRI

PROPERTY OF  
WELL CANCER RESEARCH  
INSTITUTE

**ASSET No.**

|         |         |         |
|---------|---------|---------|
| Ø1467-I | Ø1468-I | Ø1469-I |
| Ø1467-I | Ø1468-I | Ø1469-I |
| Ø1464-I | Ø1465-I | Ø1466-I |
| Ø1464-I | Ø1465-I | Ø1466-I |

B33-1872-342

USA, INC 19548077 GD

|          |
|----------|
| 11208588 |
| 11208587 |
| 11208586 |
| 11208585 |
| 11208584 |

**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.

**WARNING**  
**HEALTH HAZARD**  
**RESPIRATOR REQUIRED!**

B30-245-595-NFPA

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

Health Hazard  
 Specific Hazard



Fire Hazard  
 Instability

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.

98-904-032  
 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 53206

COMMENTS  
 SECTION FOR  
 GHS

...ches  
 ...ts, or FR coverall, eye  
 ...ber or leather gloves  
 ...open/removed

PNL 213, BRKRS 10-18

B30-25-595-ANSIWA

CHECK IF  
 RESPIRATOR  
 NEEDED  
 SHEET FOR



UPPER BALE /  
 AUTO-LOWE  
 IN "RUN" MO

BLANK PRE-PRINT HEADER :

11208588  
 11208587  
 11208586  
 11208585  
 11208584

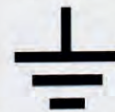


**PSM**  
 POWER SUPPLY  
 FOR MOTORS

**RL2**  
 RELAY #2



**SW1**  
 SWITCH #1  
 →



**SW3**  
 SWITCH #3

**SW2**  
 SWITCH #2



**C-7**  
**CONTROL CENTER**  
**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.

**MELZER PRESS**  
**ULTRAVIOLET U**  
 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

- 4 Severe
- 3 Serious
- 2 Moderate
- 1 Slight
- 0 Minimal

Paranasal

West wall

ANGER

ARM  
RS  
DE



SUPPLIES 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  
nt

B30C-2250-595-GN



B30C-2250-595-GN

1  
NIT



L.P. AIR 40 PS

B30C-1125-595-BL



# Print Your Own Magnets

*The Ultimate Repositionable Label!*



B30C-2500-509-WT

B33-18-434

**BRADY** Serial No. VMG10044 Location: MILW-GHO  
Brady Corporation  
6555 West Good Hope Rd  
Milwaukee WI 53223 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  
6555 West Good Hope Rd  
Milwaukee WI 53223 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  
6555 West Good Hope Rd  
Milwaukee WI 53223 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  
6555 West Good Hope Rd  
Milwaukee WI 53223 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

Brady B-482  
Tissue Cassette Label

B33-103-457

010241

010240

010239

010238

010237

010236

010235

010234

010233

010232

**WAREHOUSE KANBAN**

**PART # 102-94**

5 gal

3m11

311 to K150

#2 Prep Rack

GE RESIN PELLETS  
WHITE

**MOREK**

MODEL: Ø391 VOLTS: 12Ø

SERIAL: A2394Ø AMPS: 7Ø

B33-17-438

B30C-4250-551-WT



# 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. Label rolls and ribbons drop & snap into place for 20-second total changeover time. |
| Applications & Other Comments                           | For facility ID such as signs, pipe markers, lean/5S, GHS labels, arc flash 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 <sup>™</sup> Software, Windows <sup>®</sup> 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) |
| PermaSleeve <sup>®</sup> Wire Marking Sleeves | No                |
| Double-Sided PermaSleeve <sup>®</sup>         | No                |
| Custom Labels                                 | No                |



Software-Printer compatibility.

## Brady Software

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



### MarkWare<sup>™</sup> Facility Identification Software Compatible with BBP<sup>®</sup>31 and BBP<sup>®</sup>33 printers.

- 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.
- 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 [BradyID.com/markware](http://BradyID.com/markware)



### Labelmark<sup>™</sup> Labeling Software Compatible with BBP<sup>®</sup>33 printer only.

- 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 [BradyID.com/labelmark](http://BradyID.com/labelmark)



### CodeSoft<sup>™</sup> Label Design Software Compatible with BBP<sup>®</sup>33 printer only.

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

For additional information visit [BradyID.com/codesoft](http://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. Prints on the first label! Label rolls and ribbons drop & snap into place for 20-second total changeover time. |                            |               |                     |                            |                  |                           |
| Applications & Other Comments                    | Multi-application printer with complete range of supplies for Wire, Cable, Product and Electronics applications as well as Safety, Facility and Lean/5S.  |                            |               |                     |                            |                  |                           |
| Recommended Throughput & Operational Hours*      | <table border="1"> <tr> <td>Wire ID &amp; Small OEM labels</td> <td>Safety labels</td> </tr> <tr> <td>1000 labels per day</td> <td>600 2" x 4" labels per day</td> </tr> <tr> <td>8 hours / 5 days</td> <td>300 larger labels per day</td> </tr> </table>       | Wire ID & Small OEM labels | Safety labels | 1000 labels per day | 600 2" x 4" labels per day | 8 hours / 5 days | 300 larger labels per day |
| Wire ID & Small OEM labels                       | Safety labels   |                            |               |                     |                            |                  |                           |
| 1000 labels per day                              | 600 2" x 4" labels per day  |                            |               |                     |                            |                  |                           |
| 8 hours / 5 days                                 | 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"  |                            |               |                     |                            |                  |                           |
| Media Widths                                     | 0.500" to 4.250"  |                            |               |                     |                            |                  |                           |
| Minimum Label Dimension                          | 0.240"  |                            |               |                     |                            |                  |                           |
| Color Capabilities                               | Monocolor   |                            |               |                     |                            |                  |                           |
| PC Connect or Stand Alone                        | PC Connect only   |                            |               |                     |                            |                  |                           |
| Connectivity Options                             | Standard: USB, Ethernet<br>Optional: WiFi, WiFi Direct  |                            |               |                     |                            |                  |                           |
| Printer Language                                 | BPL (Brady Programming Language)  |                            |               |                     |                            |                  |                           |
| Compatible Software                              | Labelmark <sup>™</sup> Software, MarkWare <sup>™</sup> Software, Codesoft <sup>™</sup> Software, Windows <sup>®</sup> 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                                 |
| PermaSleeve <sup>®</sup> PS, HT, HX and FR Wire Marking Sleeves | Yes                                 |
| Double-Sided PermaSleeve <sup>®</sup>                           | Yes (with 2-pass reinsert of media) |
| Custom Labels   | Yes (in approved Brady B numbers)   |

## Brady360<sup>®</sup> 5-Year Warranty

We have you Covered.



We always stand behind our products to make sure they exceed your expectations and to deliver you an unrivaled customer experience — that's why there is the Brady 360<sup>®</sup> program. We've strengthened our commitment to you with a **5-year printer warranty standard and free of charge** on our benchtop printer models.\*

With a team of 30 certified tech support and repair technicians and our 5-year warranty backing you up, you can rest assured you'll have the support you need — every step of the way.

This 5-year warranty covers repair parts & labor, one print head replacement, a free loaner printer, a stress-free printer setup session, and much more. You also have access to additional fee-based support, including an on-site repair service, custom programming and advanced integrations services.

\*Excludes repairs due to negligence, Wraptor<sup>™</sup> model and handheld models.

See [BradyID.com/brady360](http://BradyID.com/brady360) for full coverage details & restrictions.

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

| Catalog Number                      | Description                                       |
|-------------------------------------|---|
| BBP31                               | BBP31 Sign & Label Maker*                         |
| BBP31-MWS                           | BBP31 Printer and MarkWare™ Std Software          |
| BBP31-MWL                           | BBP31 Printer and MarkWare™ Lean Software         |
| BBP31 Printer and Tape Starter Pack |   |
| 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, documentation holder and 5-year warranty.

**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®33 Label Printer and Software

| Catalog Number  | Description  |
|-----------------|--|
| BBP33-C         | BBP®33 Label Printer w/ Auto cutter  |
| BBP33-C-LMP     | BBP®33 Label Printer w/ Auto cutter and LabelMark™5 Software                     |
| BBP33-C-MWS     | BBP®33 Label Printer w/ Auto cutter and MarkWare™ Software                       |
| BBP33-C-LMP-MWS | BBP®33 Label Printer w/ 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, quick start guide and 5-year warranty.

**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

| Catalog Number | Description   |
|----------------|---|
| 120994         | Rolling case w/ handle and supplies pockets for benchtop printers |
| B31-WIPER      | 5 pack of extra media wipers                                      |
| B31-CCT        | 1 pack of extra cutter cleaning tools                             |



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Y1244494 MS1244494

U.S. Patent Nos. 5,823,689; 6,570,602; 8,542,155; 8,648,891.  
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