



## Faster, Easier Wire Sleeve Identification

BSP™45 Automated Sleeve Applicator

# Faster, Easier Wire Sleeve Identification

Brady's BSP™45 Automated Sleeve Applicator is an easy-to-use, faster and more cost-effective alternative to manual sleeve application. It increases wire sleeve application speed by up to 10 seconds by automatically removing sleeves from the liner, opening them and applying them to the wires. By eliminating the tedious task of applying hundreds of wire sleeves by hand, workers more time to focus on other important tasks.

## Experience the benefits of the BSP45 Automated Sleeve Applicator at your facility:

- **Fast.** Up to 10 seconds faster than manual labeling
- **Easy.** Eliminate the tedious, repetitive task of manual application that can lead to bottlenecks and repetitive motion injuries
- **Cost effective.** Save labor time and resources with quicker, automated application
- **Easy to use.** Automatically removes sleeves from liner, opens them so a wire can be inserted, and applies them with the touch of a pedal from the operator
- **Reliable.** Durable construction for high-volume, long-term use

No matter the industry, anyone who uses and applies wire sleeves will enjoy the ease and efficiency of the BSP45 Applicator — especially intensive wire sleeve users, such as harness shops and panel builders in the aerospace, defense, rail, and chemical, oil and gas industries.

Visit [BradyID.com/BSP45](http://BradyID.com/BSP45) for more information.



## Get durable Brady sleeve materials and ribbons

Catalog #	Color	Sleeves Per Roll	Approx Wire Gauge	Range of wire Diameter Inch (mm)	Supplied Dia. Inch (mm)	Recovered Dia. Inch (mm)	Recovered Wall Thickness Inch (mm)	Sleeve Width Inch (mm)	Recommended Ribbon
<b>B-342 PermaSleeve® PS Polyolefin Wire Marking Sleeves</b>									
SA-3PS-094-1-WT	White	2,500	28 to 20	0.023 (0.6) - 0.080 (2.0)	0.094 (2.4)	0.024 (0.6)	0.024 (0.6) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-3PS-094-1-YL	Yellow	2,500	28 to 20	0.023 (0.6) - 0.080 (2.0)	0.094 (2.4)	0.024 (0.6)	0.024 (0.6) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-3PS-125-1-WT	White	2,500	22 to 16	0.046 (1.2) - 0.110 (2.8)	0.125 (3.2)	0.047 (1.2)	0.020 (0.5) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-3PS-125-2-WT	White	2,500	22 to 16	0.046 (1.2) - 0.110 (2.8)	0.125 (3.2)	0.047 (1.2)	0.020 (0.5) +- .003 (0.07)	2.0 (50.8)	R4300 / R6602
SA-3PS-125-1-YL	Yellow	2,500	22 to 16	0.046 (1.2) - 0.110 (2.8)	0.125 (3.2)	0.047 (1.2)	0.020 (0.5) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-3PS-125-2-YL	Yellow	2,500	22 to 16	0.046 (1.2) - 0.110 (2.8)	0.125 (3.2)	0.047 (1.2)	0.020 (0.5) +- .003 (0.07)	2.0 (50.8)	R4300 / R6602
SA-3PS-187-1-WT	White	2,500	20 to 10	0.062 (1.6) - 0.150 (3.8)	0.187 (4.7)	0.062 (1.6)	0.020 (0.5) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-3PS-187-2-WT	White	2,500	20 to 10	0.062 (1.6) - 0.150 (3.8)	0.187 (4.7)	0.062 (1.6)	0.020 (0.5) +- .003 (0.07)	2.0 (50.8)	R4300 / R6602
SA-3PS-187-1-YL	Yellow	2,500	20 to 10	0.062 (1.6) - 0.150 (3.8)	0.187 (4.7)	0.062 (1.6)	0.020 (0.5) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-3PS-187-2-YL	Yellow	2,500	20 to 10	0.062 (1.6) - 0.150 (3.8)	0.187 (4.7)	0.062 (1.6)	0.020 (0.5) +- .003 (0.07)	2.0 (50.8)	R4300 / R6602
SA-3PS-250-1-WT	White	2,500	16 to 8	0.094 (2.4) - 0.215 (5.5)	0.250 (6.4)	0.093 (2.4)	0.025 (0.6) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-3PS-250-2-WT	White	2,500	16 to 8	0.094 (2.4) - 0.215 (5.5)	0.250 (6.4)	0.093 (2.4)	0.025 (0.6) +- .003 (0.07)	2.0 (50.8)	R4300 / R6602
SA-3PS-250-1-YL	Yellow	2,500	16 to 8	0.094 (2.4) - 0.215 (5.5)	0.250 (6.4)	0.093 (2.4)	0.025 (0.6) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-3PS-250-2-YL	Yellow	2,500	16 to 8	0.094 (2.4) - 0.215 (5.5)	0.250 (6.4)	0.093 (2.4)	0.025 (0.6) +- .003 (0.07)	2.0 (50.8)	R4300 / R6602
SA-3PS-375-1-WT	White	1,000	12 to 4	0.125 (3.2) - 0.320 (8.13)	0.375 (9.5)	0.125 (3.1)	0.025 (0.6) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-3PS-375-2-WT	White	1,000	12 to 4	0.125 (3.2) - 0.320 (8.13)	0.375 (9.5)	0.125 (3.1)	0.025 (0.6) +- .003 (0.07)	2.0 (50.8)	R4300 / R6602
SA-3PS-375-1-YL	Yellow	1,000	12 to 4	0.125 (3.2) - 0.320 (8.13)	0.375 (9.5)	0.125 (3.1)	0.025 (0.6) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-3PS-375-2-YL	Yellow	1,000	12 to 4	0.125 (3.2) - 0.320 (8.13)	0.375 (9.5)	0.125 (3.1)	0.025 (0.6) +- .003 (0.07)	2.0 (50.8)	R4300 / R6602
<b>B-7641 PermaSleeve ZH Low Haulgen Polyolefin Wire Marking Sleeves</b>									
SA-2LSZH-125-1-WT	White	2,500	20 to 16	0.062 (1.6) - 0.110 (2.8)	0.125 (3.2)	0.063 (1.6)	0.025 (0.6) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-2LSZH-125-2-WT	White	2,500	20 to 16	0.062 (1.6) - 0.110 (2.8)	0.125 (3.2)	0.063 (1.6)	0.025 (0.6) +- .003 (0.07)	2.0 (50.8)	R4300 / R6602
SA-2LSZH-125-1-YL	Yellow	2,500	20 to 16	0.062 (1.6) - 0.110 (2.8)	0.125 (3.2)	0.063 (1.6)	0.025 (0.6) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-2LSZH-125-2-YL	Yellow	2,500	20 to 16	0.062 (1.6) - 0.110 (2.8)	0.125 (3.2)	0.063 (1.6)	0.025 (0.6) +- .003 (0.07)	2.0 (50.8)	R4300 / R6602
SA-2LSZH-187-1-WT	White	2,500	16 to 10	0.094 (2.4) - 0.151 (3.8)	0.187 (4.8)	0.094 (2.4)	0.025 (0.6) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-2LSZH-187-2-WT	White	2,500	16 to 10	0.094 (2.4) - 0.151 (3.8)	0.187 (4.8)	0.094 (2.4)	0.025 (0.6) +- .003 (0.07)	2.0 (50.8)	R4300 / R6602
SA-2LSZH-187-1-YL	Yellow	2,500	16 to 10	0.094 (2.4) - 0.151 (3.8)	0.187 (4.8)	0.094 (2.4)	0.025 (0.6) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-2LSZH-187-2-YL	Yellow	2,500	16 to 10	0.094 (2.4) - 0.151 (3.8)	0.187 (4.8)	0.094 (2.4)	0.025 (0.6) +- .003 (0.07)	2.0 (50.8)	R4300 / R6602
SA-2LSZH-250-1-WT	White	1,000	12 to 8	0.125 (3.2) - 0.215 (5.5)	0.250 (6.4)	0.126 (3.2)	0.029 (0.7) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-2LSZH-250-2-WT	White	1,000	12 to 8	0.125 (3.2) - 0.215 (5.5)	0.250 (6.4)	0.126 (3.2)	0.029 (0.7) +- .003 (0.07)	2.0 (50.8)	R4300 / R6602
SA-2LSZH-250-1-YL	Yellow	1,000	12 to 8	0.125 (3.2) - 0.215 (5.5)	0.250 (6.4)	0.126 (3.2)	0.029 (0.7) +- .003 (0.07)	1.0 (25.4)	R4300 / R6602
SA-2LSZH-250-2-YL	Yellow	1,000	12 to 8	0.125 (3.2) - 0.215 (5.5)	0.250 (6.4)	0.126 (3.2)	0.029 (0.7) +- .003 (0.07)	2.0 (50.8)	R4300 / R6602
<b>B-7646 PermaSleeve DR Diesel Resistant Polyolefin Wire Marking Sleeves</b>									
SA-3DR-125-1-YL	Yellow	2,500	22 to 16	0.046 (1.2) - 0.110 (2.8)	0.125 (3.2)	0.024 (0.6)	0.024 (0.6) +- .003 (0.07)	1.0 (25.4)	R6600
SA-3DR-125-2-YL	Yellow	2,500	22 to 16	0.046 (1.2) - 0.110 (2.8)	0.125 (3.2)	0.024 (0.6)	0.024 (0.6) +- .003 (0.07)	2.0 (50.8)	R6600
SA-3DR-187-1-YL	Yellow	2,500	20 to 10	0.062 (1.6) - 0.150 (3.8)	0.187 (4.8)	0.062 (1.6)	0.020 (0.5) +- .003 (0.07)	1.0 (25.4)	R6600
SA-3DR-187-2-YL	Yellow	2,500	20 to 10	0.062 (1.6) - 0.150 (3.8)	0.187 (4.8)	0.062 (1.6)	0.020 (0.5) +- .003 (0.07)	2.0 (50.8)	R6600
SA-3DR-250-1-YL	Yellow	2,500	16 to 8	0.094 (2.4) - 0.215 (5.5)	0.250 (6.4)	0.093 (2.4)	0.025 (0.6) +- .003 (0.07)	1.0 (25.4)	R6600
SA-3DR-250-2-YL	Yellow	2,500	16 to 8	0.094 (2.4) - 0.215 (5.5)	0.250 (6.4)	0.093 (2.4)	0.025 (0.6) +- .003 (0.07)	2.0 (50.8)	R6600

The BSP45 Sleeve Applicator is designed to function only with a specific range of Brady sleeve parts constructed to allow correct feed, sensing and auto-application by the machine. Non-Brady sleeve parts and non-BSP45-specific sleeve parts will not function in the system. Not compatible with non-Brady materials.

### Mandrels and Dies

Catalog #	Description
<b>Mandrels</b>	
MANDREL-094-BSP45	BSP45 Mandrel for 0.094 Sleeves
MANDREL-125-BSP45	BSP45 Mandrel for 0.125 Sleeve
MANDREL-187-BSP45	BSP45 Mandrel for 0.187 Sleeve
MANDREL-375-BSP45	BSP45 Mandrel for 0.375 Sleeve
MANDREL-250-BSP45	BSP45 Mandrel for 0.250 Sleeve
<b>Dies</b>	
DIE-094-1-BSP45	BSP45 Die set for 1 inch 0.094 sleeve
DIE-125-1-BSP45	BSP45 Die set for 1 inch 0.125 sleeve
DIE-187-1-BSP45	BSP45 Die set for 1 inch 0.187 sleeve
DIE-250-1-BSP45	BSP45 Die set for 1 inch 0.250 sleeve
DIE-375-1-BSP45	BSP45 Die set for 1 inch 0.375 sleeve
DIE-125-2-BSP45	BSP45 Die set for 2 inch 0.125 sleeve
DIE-187-2-BSP45	BSP45 Die set for 2 inch .0187 sleeve
DIE-250-2-BSP45	BSP45 Die set for 2 inch 0.250 sleeve
DIE-375-2-BSP45	BSP45 Die set for 2 inch 0.375 sleeve

### BSP™45 Automated Sleeve Applicator and Accessories

Catalog #	Description
BSP45	BSP45 Sleeve Applicator
BSP45-7646	BSP45 Sleeve Applicator North America - B7646
PMS-HG-1	Sleeve heat gun
LBL-RWDR	Material external rewinder

\* Applicator, user manual (on memory stick), power cord, one set of dies and one mandrel for your choice of sleeve size, foot pedal

### Applicator Specifications

Optional accessories	Rewinder, heat gun
Compatible printers	BBP™72 Printer, Bradyprinter i5100 Industrial Printer
Available software	Brady Workstation Software
Operating temperature	41° to 104° F (5 to 40° C)
Operating humidity	10% to 80% RH
Short term storage	96 hours at 0° to 110° F (-18 to 43° C) 10-90% RH
Dimensions	25.5 in. L x 10.5 in. W x 11.0 in. H
Space surrounding recommendation	Indoor use only. Intended for use in a factory environment. Not intended for use in direct sunlight
Mode of operation	Electric and Pneumatic
Max use per day	Continuous Duty Cycle
Maximum sleeve width	1 inch and 2 inch widths
Maximum speed	User Driven
Wire sizes compatible / wire gauges	Wire gauge for approximately 4 to 28 UL REC / E467567 EN 61010-1:2010 EN 55011:2009/A1:2010 UL 61010-1, 3rd Ed. 2012-05 EN 61326-1:2013 CAN/CSA-C22.2 No. EN 61000-3-2:2014 61010-1, 3rd Ed., 2012-05, EN 61000-3-3:2013 IEC 61010-1:2010 3rd Ed. CE Marking: LVD 2014/35/EU, EMC2 2014/30/ FCC Part 15 Class A EU, RoHS2 2011/65/EU, 2015/863/EU ICES-001 Issue 4 Class A AS/NZ CISPR 11 Class A
Care and maintenance	Refer to manual
Power supply options / power voltage	100 - 240V, 50/60 Hz, 2A
BSP45 foot pedal	Pre-wired for plug in operation
Media specifications	The BSP45 Sleeve Applicator is designed to function only with a specific range of Brady sleeve parts constructed to allow correct feed, sensing and auto-application by the machine. Non-Brady sleeve parts and non-BSP45-specific sleeve parts will not function in the system. Contact Brady Technical Support or Customer Support for specific media information.

## **We identify and protect premises, products and people.**

For more information or to learn more about our innovative products, visit [BradyID.com](http://BradyID.com) or call 1-888-272-3946.

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Customer Service: 1-888-272-3946  
Inside Sales: 1-888-311-0775  
[BradyID.com](http://BradyID.com)

Canada  
Customer Service: 1-800-263-6179  
[BradyCanada.ca](http://BradyCanada.ca)

Mexico  
Customer Service: 1-800-262-7777  
Inside Sales: 1-800-262-7777 ext 177  
[BradyLatinAmerica.com](http://BradyLatinAmerica.com)