

## Spirit® 2100 Portable Printing System



HellermannTyton's Spirit® 2100 portable printing system is easy to use and features "What You See Is What You Get" (WYSIWYG) label design and creation on a LCD screen that shows the outline of the label. Just type in the text (which is displayed on the screen), choose from several print sizes, and press the print button. It's that simple! The printer automatically detects the label and determines the proper size template for easy editing.

The Spirit 2100 provides fast, high quality, thermal transfer printing for permanent and highly legible label printing. The Spirit 2100 prints on many different types of label materials for wire, cable, and component marking. Self-laminating, white and metalized polyester, and tamper evident materials for calibration and security labeling are available for use with the Spirit system.

| Material Data         |  |                                                                   |
|-----------------------|--|-------------------------------------------------------------------|
| Printhead             |  | <b>203 dpi thermal transfer</b>                                   |
| Battery Charger       |  | <b>NiCad</b>                                                      |
| Weight                |  | <b>2.5 lbs.</b>                                                   |
| Shipping Weight (lbs) |  | <b>7.5 lbs</b>                                                    |
| Maximum Label Width   |  | <b>2.0"</b>                                                       |
| Memory                |  | <b>68K SRAM, 128 Program Memory, 256K of non-volatile storage</b> |
| Chargers              |  | <b>120V, 130V, 230V or 100V applications</b>                      |
| LCD screen            |  | <b>2.0" x 1.5"</b>                                                |
| Operating Temperature |  | <b>+40°F to +122°F (+4°C to +50°C)</b>                            |
| Storage Temperature   |  | <b>-30°F to +160°F (-34°C to +71°C)</b>                           |

### Product Features

- "What You See Is What You Get" (WYSIWYG) label design and creation. The label will print just like it looks on screen.
- Choose from normal or bold fonts to complete the label design appearance.
- Easily change text sizes: tiny, normal or large text
- Left, right, or center justify text
- Automatically centers text during label editing process.
- Easily import graphic images into the label design
- Print with popular bar code symbologies including Code 39, Code 128 and EAN.
- Vertical print option for patch panels, wall plates, terminal blocks and wire markers.
- Print serial numbers on labels with the "serial" text type. Spirit 2100 will automatically remember the last serial number printed the next time the saved label is used.
- The ribbon is longer than the industry standard which translates into fewer ribbon change-overs.
- Battery powered and a convenient hand strap makes the Spirit 2100 extremely portable and accessible. AC adapter also available.
- Label sizes and user interface upgradable in the field.
- Auto "fill" feature to copy one line of text to all other lines on the label.
- Download data files from Excel and other Windows compatible databases.
- Edit logging feature will keep track of printed labels and download printed information back to pc.



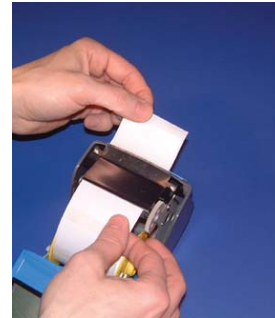
| Product Selection |          |        |                                                                                                                                                                                                                                                                                                    |           |
|-------------------|----------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Article No.       | Part No. | Type   | Description                                                                                                                                                                                                                                                                                        | Pkg. Qty. |
| 557-00085         | HT2100   | HT2100 | Portable Printing System includes: Spirit 2100 printer, HT2100 rechargeable battery and charger, ribbon cartridge, TAGH73-336, printer manual, CD-Rom tutorial, hard shell case, cleaning card, cleaning pen and Spiritlink computer interface software (interface software cable sold separately) | 1         |

Use **Part No.** for ordering and **Type** for specification purposes.

## Spirit® 2100 Portable Printing System *continued*

### Label Loading

Each roll of labels is loaded onto a reusable spindle. Simply drop the label roll into the printer, pull the labels over the top (like loading film into a camera) and close the cover. No need to mechanically feed and align the labels.



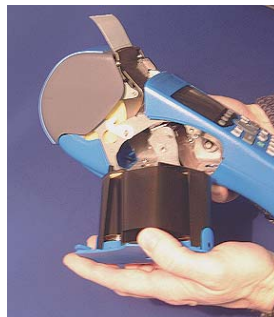
## Spirit 2100 Accessories

| Product Selection |                  |           |                             |           |
|-------------------|------------------|-----------|-----------------------------|-----------|
| Article No.       | Part No.         | Type      | Description                 | Pkg. Qty. |
| 591-00076         | <b>BC10</b>      | BC10      | Battery Charger             | 1         |
| 557-00002         | <b>2100CASE</b>  | 2100CASE  | Spirit Carrying Case        | 1         |
| 557-00004         | <b>2100CABLE</b> | 2100CABLE | SpiritLink interface cable. | 1         |
| 557-00003         | <b>RBP1</b>      | RBP1      | Battery Pack                | 1         |
| 557-00005         | <b>2100PEN</b>   | 2100PEN   | Cleaning Pen                | 1         |
| 557-00006         | <b>TS3003039</b> | TS3003039 | Spirit label Spindle Roll   | 1         |
| 557-00007         | <b>TS3003040</b> | TS3003040 | Spirit label Spindle cap    | 1         |
| 557-00008         | <b>2100CARD</b>  | 2100CARD  | Printhead cleaning card     | 1         |
| 591-00003         | <b>2100AC</b>    | 2100AC    | AC Adaptor                  | 1         |

Use **Part No.** for ordering and **Type** for specification purposes.

### Ribbon

The ribbon is supplied in a self-contained cartridge for easy loading. *One ribbon per package.*



*Spirit Ribbons*

| Product Selection |          |       |                              |           |        |            |        |               |
|-------------------|----------|-------|------------------------------|-----------|--------|------------|--------|---------------|
| Article No.       | Part No. | Type  | Description                  | Width (W) |        | Height (H) |        | Pkg. Qty.     |
|                   |          |       |                              | In.       | (mm)   | In.        | (mm)   |               |
| 557-00009*        | HHIGR    | HHIGR | Replacement ribbon cartridge | 2.0       | (50.8) | 2.50       | (63.5) | 131 ft (40 m) |
| 557-00092         | HHHST    | HHHST | Ribbon cartridge             | 2.0       | (50.8) | 2.50       | (63.5) | 131 ft (40 m) |
| 557-00075**       | HHDTH    | HHDTH | Replacement Durattach ribbon | 2.0       | (50.8) | 2.50       | (63.5) | 131 ft (40 m) |

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

\* HHIGR works on all materials

\*\* HHDTHT can only be used with label materials that have the DTH extension. This provides superior performance to most chemicals and solvents.

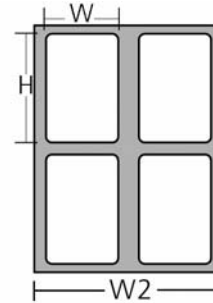
See page 144 for Spirit 2100 label selection

## Spirit 2100 Labels

These labels are used for component marking. Self-laminating labels for wire and cable marking are also available, see pages 147.

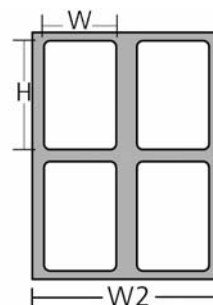
See pages 140–141 for more information on label materials.

See pages 133–134 for information on the Spirit printer.



| Product Selection   |                     |         | Drawing Reference<br>(pages 146) | Color  | Width (W) |         | Height (H) |         | Width of Liner (W2) |         | Pkg. Qty. |
|---------------------|---------------------|---------|----------------------------------|--------|-----------|---------|------------|---------|---------------------|---------|-----------|
| Article No.         | Part No.            | Type    |                                  |        | In.       | (mm.)   | In.        | (mm.)   | In.                 | (mm.)   |           |
| <b>336 Material</b> |                     |         |                                  |        |           |         |            |         |                     |         |           |
| 591-00095           | <b>TAGH70-336</b>   | TAGH70  | A                                | White  | .25"      | (6.35)  | .25"       | (6.35)  | .875"               | (22.22) | 750       |
| 557-00048           | <b>TAGH71-336</b>   | TAGH71  | B                                | White  | .5"       | (12.7)  | .435"      | (11.1)  | .875"               | (22.22) | 500       |
| 557-00110           | <b>TAGH096-3364</b> | TAGH096 | D                                | Yellow | .625"     | (15.8)  | .25"       | (6.35)  | .875"               | (22.22) | 500       |
| 557-00063           | <b>TAGHPP-336</b>   | TAGHPP  | C                                | White  | .875"     | (15.87) | .333"      | (8.45)  | .874"               | (22.22) | 500       |
| 557-00076           | <b>TAGH13-336</b>   | TAGH13  | D                                | White  | .75"      | (31.75) | .25"       | (6.35)  | .875"               | (22.22) | 750       |
| 557-00046           | <b>TAGH48-336</b>   | TAGH48  | E                                | White  | .8"       | (20.32) | .5"        | (12.7)  | .925"               | (23.49) | 500       |
| 557-00042           | <b>TAGH16-336</b>   | TAGH16  | F                                | White  | .9"       | (22.86) | .25"       | (6.35)  | 1.025"              | (26.03) | 750       |
| 557-00039           | <b>TAGH14-336</b>   | TAGH14  | G                                | White  | 1.0"      | (25.4)  | .375"      | (9.5)   | 1.125"              | (28.57) | 500       |
| 557-00040           | <b>TAGH15-336</b>   | TAGH15  | H                                | White  | 1.0"      | (25.4)  | .5"        | (12.7)  | 1.125"              | (28.57) | 500       |
| 557-00041           | <b>TAGH15-3364</b>  | TAGH15  | H                                | Yellow | 1.0"      | (25.4)  | .5"        | (12.7)  | 1.125"              | (28.57) | 500       |
| 557-00061           | <b>TAGH92-336</b>   | TAGH92  | I                                | White  | 1.0"      | (25.4)  | .75"       | (19.05) | 2.125"              | (53.97) | 500       |
| 557-00054           | <b>TAGH85-336</b>   | TAGH85  | J                                | White  | 1.25"     | (31.7)  | .25"       | (6.35)  | 1.375"              | (34.92) | 750       |
| 557-00037           | <b>TAGH12-336</b>   | TAGH12  | K                                | White  | 1.25"     | (31.75) | .375"      | (9.52)  | 1.375"              | (34.92) | 500       |
| 557-00043           | <b>TAGH17-336</b>   | TAGH17  | L                                | White  | 1.5"      | (38.1)  | .25"       | (6.35)  | 1.625"              | (41.27) | 750       |
| 557-00057           | <b>TAGH88-336</b>   | TAGH88  | M                                | White  | 1.5"      | (38.1)  | .375"      | (9.52)  | 1.625"              | (41.27) | 500       |
| 557-00059           | <b>TAGH90-336</b>   | TAGH90  | N                                | White  | 1.5"      | (38.1)  | .5"        | (12.7)  | 1.625"              | (41.27) | 500       |
| 557-00060           | <b>TAGH90-3364</b>  | TAGH90  | N                                | Yellow | 1.5"      | (38.1)  | .5"        | (12.7)  | 1.625"              | (41.27) | 500       |
| 557-00044           | <b>TAGH27-336</b>   | TAGH27  | O                                | White  | 1.5"      | (38.1)  | .75"       | (19.05) | 1.625"              | (41.27) | 500       |
| 557-00062           | <b>TAGH94-336</b>   | TAGH94  | P                                | White  | 1.5"      | (38.1)  | 1.25"      | (31.75) | 1.625"              | (41.27) | 250       |
| 557-00058           | <b>TAGH89-336</b>   | TAGH89  | Q                                | White  | 1.75"     | (44.45) | .375"      | (9.52)  | 1.87"               | (44.45) | 500       |
| 591-00117           | <b>TAGH98-336</b>   | TAGH98  | R                                | White  | 1.9"      | (48.26) | .375"      | (9.52)  | 2.025"              | (51.43) | 250       |
| 557-00055           | <b>TAGH86-336</b>   | TAGH86  | S                                | White  | 2.0"      | (50.8)  | .25"       | (6.35)  | 2.125"              | (53.97) | 750       |
| 557-00045           | <b>TAGH35-336</b>   | TAGH35  | T                                | White  | 2.0"      | (50.8)  | .375"      | (9.52)  | 2.125"              | (53.97) | 500       |
| 557-00064           | <b>TAGH96-336</b>   | TAGH96  | U                                | White  | 2.0"      | (50.8)  | .396"      | (10.05) | 2.125"              | (53.97) | 750       |
| 557-00049           | <b>TAGH73-336</b>   | TAGH73  | W                                | White  | 2.0"      | (50.8)  | 1.0"       | (25.4)  | 53.97"              | (2.125) | 250       |
| 557-00099           | <b>TAGH73-3363</b>  | TAGH73  | W                                | Orange | 2.0"      | (50.8)  | 1.0"       | (25.4)  | 53.97"              | (2.125) | 250       |
| 557-00050           | <b>TAGH73-3364</b>  | TAGH73  | W                                | Yellow | 2.0"      | (50.8)  | 1.0"       | (25.4)  | 53.97"              | (2.125) | 250       |
| 557-00100           | <b>TAGH73-3365</b>  | TAGH73  | W                                | Green  | 2.0"      | (50.8)  | 1.0"       | (25.4)  | 53.97"              | (2.125) | 250       |
| 557-00101           | <b>TAGH73-3362</b>  | TAGH73  | W                                | Red    | 2.0"      | (50.8)  | 1.0"       | (25.4)  | 53.97"              | (2.125) | 250       |
| 557-00102           | <b>TAGH73-3366</b>  | TAGH73  | W                                | Blue   | 2.0"      | (50.8)  | 1.0"       | (25.4)  | 53.97"              | (2.125) | 250       |
| 557-00051           | <b>TAGH75-336</b>   | TAGH75  | V                                | White  | 2.0"      | (50.5)  | .625"      | (15.87) | 2.125"              | (53.97) | 500       |
| 557-00052           | <b>TAGH75-3364</b>  | TAGH75  | V                                | Yellow | 2.0"      | (50.5)  | .625"      | (15.87) | 2.125"              | (53.97) | 500       |
| 557-00066           | <b>TAGHTP-336</b>   | TAGHTP  | Y                                | White  | 333"      | (8.45)  | 444"       | (11277) | 1.125"              | (28.57) | 11.25     |

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Spirit 2100 Labels *continued*

| Product Selection |            |        |                   |              |           |         |            |         |                     |         |           |
|-------------------|------------|--------|-------------------|--------------|-----------|---------|------------|---------|---------------------|---------|-----------|
| Article No.       | Part No.   | Type   | Drawing Reference | Color        | Width (W) |         | Height (H) |         | Width of Liner (W2) |         | Pkg. Qty. |
|                   |            |        | (page 146)        |              | In.       | (mm.)   | In.        | (mm.)   | In.                 | (mm.)   |           |
| 409 Material      |            |        |                   |              |           |         |            |         |                     |         |           |
| 557-00029         | TAGH15-409 | TAGH15 | H                 | White        | 1.0"      | (25.4)  | .5"        | (12.7)  | 1.125"              | (28.57) | 500       |
| 557-00030         | TAGH92-409 | TAGH92 | I                 | White        | 1.0"      | (25.4)  | .75"       | (19.05) | 1.125"              | (28.57) | 500       |
| 799 Material      |            |        |                   |              |           |         |            |         |                     |         |           |
| 557-00035         | TAGH92-799 | TAGH92 | I                 | Silver-matte | 1.0"      | (25.4)  | .75"       | (19.05) | 2.125"              | (53.97) | 500       |
| 557-00034         | TAGH90-799 | TAGH90 | N                 | Silver-matte | 1.5"      | (38.1)  | .5"        | (12.7)  | 1.625"              | (41.27) | 500       |
| 557-00031         | TAGH27-799 | TAGH27 | O                 | Silver-matte | 1.5"      | (38.1)  | .75"       | (19.05) | 1.625"              | (41.27) | 500       |
| 557-00036         | TAGH94-799 | TAGH94 | P                 | Silver-matte | 1.5"      | (38.1)  | 1.25"      | (31.75) | 1.625"              | (41.27) | 250       |
| 557-00065         | TAGH96-799 | TAGH96 | U                 | Silver-matte | 1.875"    | (47.62) | .25"       | (6.35)  | 2.0"                | (50.8)  | 750       |
| 557-00033         | TAGH75-799 | TAGH75 | V                 | Silver-matte | 2.0"      | (50.8)  | .625"      | (15.87) | 2.125"              | (53.97) | 500       |
| 557-00032         | TAGH73-799 | TAGH73 | W                 | Silver-matte | 2.0"      | (50.8)  | 1.0"       | (25.4)  | 53.97"              | (2.125) | 250       |
| 840 Material      |            |        |                   |              |           |         |            |         |                     |         |           |
| 557-00093         | TAGH27-840 | TAGH27 | O                 | White        | 1.5"      | (38.1)  | .75"       | (19.05) | 1.625"              | (41.27) | 500       |
| 843 Material      |            |        |                   |              |           |         |            |         |                     |         |           |
| 556-00094         | TAGH27-843 | TAGH27 | O                 | White        | 1.5"      | (38.1)  | .75"       | (19.05) | 1.625"              | (41.27) | 500       |
| DTH Material      |            |        |                   |              |           |         |            |         |                     |         |           |
| 557-00072         | TAGH28-DTH | TAGH28 | X                 | White        | .8"       | (20.3)  | 1.437"     | (36.49) | .925"               | (23.4)  | 250       |
| 557-00070         | TAGH90-DTH | TAGH90 | N                 | White        | 1.5"      | (38.1)  | .5"        | (12.7)  | 1.625"              | (41.27) | 500       |
| 557-00069         | TAGH75-DTH | TAGH75 | V                 | White        | 2.0"      | (50.8)  | .625"      | (15.87) | 2.125"              | (53.97) | 500       |
| 557-00071         | TAGH73-DTH | TAGH73 | W                 | White        | 2.0"      | (50.8)  | 1.0"       | (25.4)  | 53.97"              | (2.125) | 250       |

**Spirit 2100 Labels *continued***

(Not shown to scale)



TAGH70-336

**A**

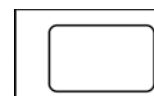
TAGH71-336

**B**

TAGHPP-336

**C**

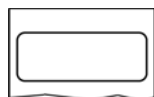
TAGH13-336, TAGH096-3364

**D**

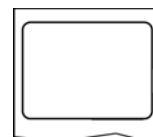
TAGH48-336

**E**

TAGH16-336

**F**

TAGH14-336

**G**TAGH15-409, TAGH15-336  
TAGH15-3364**H**

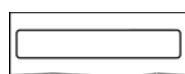
TAGH92-336, TAGH92-409, TAGH92-799

**I**

TAGH85-336

**J**

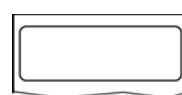
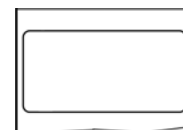
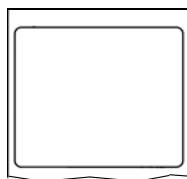
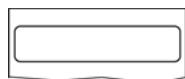
TAGH12-336

**K**

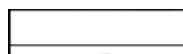
TAGH17-336

**L**

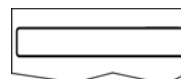
TAGH88-336

**M**TAGH90-336, TAGH90-3364,  
TAGH90-799, TAGH90-DTH**N**TAGH27-336, TAGH27-799,  
TAGH27-840, TAGH27-843**O**TAGH94-336,  
TAGH94-799**P**

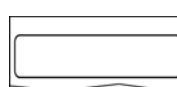
TAGH89-336

**Q**

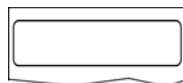
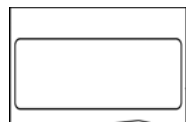
TAGH98-336

**R**

TAGH86-336

**S**

TAGH35-336

**T**TAGH96-336,  
TAGH96-799**U**TAGH75-336, TAGH75-3364,  
TAGH75-799, TAGH75-DTH**V**TAGH73-336, TAGH73-3362,  
TAGH73-3363, TAGH73-3364,  
TAGH73-3365, TAGH73-3366,  
TAGH73-799, TAGH73-DTH**W**

TAGH28-DTH

**X**

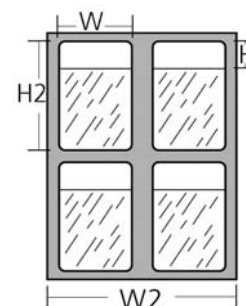
TAGHTP-336

**Y**

## Spirit 2100 Self-Laminating Labels

Self-laminating labels are used for marking wire and cable. The clear overlap protects printed information.

See pages 140–141 for more information on label materials.

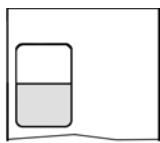


| Product Selection |             |        |                   |        |           |         |                              |         |                      |          |                     |         |           |
|-------------------|-------------|--------|-------------------|--------|-----------|---------|------------------------------|---------|----------------------|----------|---------------------|---------|-----------|
| Article No.       | Part No.    | Type   | Drawing Reference | Color  | Width (W) |         | Height of Printable Area (H) |         | Height of Label (H2) |          | Width of Liner (W2) |         | Pkg. Qty. |
|                   |             |        | (page 148)        |        | In.       | (mm.)   | In.                          | (mm.)   | In.                  | (mm.)    | In.                 | (mm.)   |           |
| 100 Material      |             |        |                   |        |           |         |                              |         |                      |          |                     |         |           |
| 557-00026         | TAGH26-100  | TAGH26 | A                 | White  | .5"       | (12.7)  | .35"                         | (8.8)   | .75"                 | (19.05)  | .875"               | (22.22) | 500       |
| 557-00011         | TAGH2-100   | TAGH2  | B                 | White  | .5"       | (12.7)  | .5"                          | (12.7)  | 1.435"               | (36.5)   | .875"               | (22.22) | 250       |
| 557-00012         | TAGH2-1004  | TAGH2  | B                 | Yellow | .5"       | (12.7)  | .5"                          | (12.7)  | 1.435"               | (36.5)   | .875"               | (22.22) | 250       |
| 557-00025         | TAGH25-100  | TAGH25 | C                 | White  | .75"      | (19.05) | .5"                          | (12.7)  | 1.75"                | (44.45)  | .875"               | (22.22) | 175       |
| 557-00027         | TAGH51-100  | TAGH51 | D                 | White  | 1.0"      | (25.4)  | .35"                         | (8.8)   | .75"                 | (19.05)  | 1.125"              | (28.57) | 500       |
| 557-00021         | TAGH22-100  | TAGH22 | E                 | White  | 1.0"      | (25.4)  | .5"                          | (12.7)  | 1.435"               | (36.5)   | 1.125"              | (28.57) | 250       |
| 557-00022         | TAGH22-1004 | TAGH22 | E                 | Yellow | 1.0"      | (25.4)  | .5"                          | (12.7)  | 1.435"               | (36.5)   | 1.125"              | (28.57) | 250       |
| 557-00018         | TAGH9-100   | TAGH9  | F                 | White  | 1.0"      | (25.4)  | .75"                         | (19.05) | 2.25"                | (57.1)   | 1.125"              | (53.97) | 100       |
| 557-00019         | TAGH9-1004  | TAGH9  | F                 | Yellow | 1.0"      | (25.4)  | .75"                         | (19.05) | 2.25"                | (57.1)   | 1.125"              | (53.97) | 100       |
| 557-00013         | TAGH3-100   | TAGH3  | G                 | White  | 1.0"      | (25.4)  | 1.0"                         | (25.4)  | 3.75"                | (95.25)  | 1.125"              | (28.57) | 100       |
| 557-00023         | TAGH23-100  | TAGH23 | H                 | White  | 1.0"      | (25.4)  | 1.5"                         | (38.1)  | 7.437"               | (188.89) | 1.125"              | (28.57) | 50        |
| 557-00028         | TAGH95-100  | TAGH95 | I                 | White  | 1.5"      | (38.1)  | 1.0"                         | (25.4)  | 3.75"                | (95.25)  | 1.625"              | (41.25) | 100       |
| 557-00010         | TAGH1-100   | TAGH1  | J                 | White  | 1.9"      | (48.26) | .75"                         | (19.05) | 3.19"                | (81.02)  | 2.025"              | (51.43) | 100       |
| 557-00024         | TAGH24-100  | TAGH24 | K                 | White  | 2.0"      | (50.8)  | .5"                          | (12.7)  | 1.435"               | (36.5)   | 2.125"              | (53.97) | 250       |
| 557-00020         | TAGH10-100  | TAGH10 | L                 | White  | 2.0"      | (50.8)  | .75"                         | (19.05) | 2.25"                | (57.1)   | 2.125"              | (53.97) | 100       |
| 557-00015         | TAGH6-100   | TAGH6  | M                 | White  | 2.0"      | (50.8)  | 1.0"                         | (25.4)  | 3.75"                | (95.25)  | 2.125"              | (53.97) | 100       |
| 557-00014         | TAGH4-100   | TAGH4  | N                 | White  | 2.0"      | (50.8)  | 1.5"                         | (38.1)  | 5.937"               | (150.79) | 2.125"              | (53.97) | 50        |

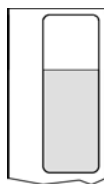
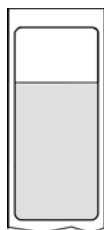
Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

**Spirit 2100 Self-Laminating Labels *continued***

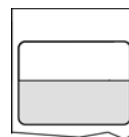
(Not shown to scale)



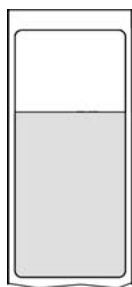
TAG26-100

**A**TAGH2-100,  
TAGH2-1004**B**

TAGH25-100

**C**

TAGH51-100

**D**TAGH22-100,  
TAGH22-1004**E**TAGH9-100,  
TAGH9-1004**F**

TAGH3-100

**G**

TAGH23-100

**H**

TAGH95-100

**I**

TAGH1-100

**J**

TAGH24-100

**K**

TAGH10-100

**L**

TAGH6-100

**M**

TAGH4-100

**N**