## JB Series Legend Packet



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The primary purpose of this Legend Packet is to let our customers know that NKK Switches provides full support regarding your legending requirements. The packet is designed to provide information to make your legending choices easy and concise, and to let you know that our availability can range from answering a few questions to guiding you through the entire process. Feel free to acquaint yourself with the following pages specific to your applications, then contact us and let us know how we may be of further assistance. We look forward to serving all you legending needs.

## Customer Request Form

## JB Series Legend Instructions

| 1 Customer Information | Today's Date |  |
| :--- | :--- | :--- |
| Company Name | Phone ( ) |  |
| Address |  | Fax ( ) |
| City | State | Zip Code |
| Contact Person | Email |  |

Important! Please complete one Request Form for each legend requested.

## 2 Switch

Switch Part Number
Quantity Requested

## Cap Part Number

Refer to Legend Packet page JB3 if you need assistance.

## 3 Surface



See Legend Packet page JB3 if you need more information on printable surfaces.
4 Font Style and Size


Refer to Legend Packet pages JB5 through JB9 to determine your font stye and point size.

## 5 Characters

|  | 1 line |  | 2 lines |  | 3 lines |
| :---: | :---: | :---: | :---: | :---: | :---: |
| STOP | Your Legend Text Here | $\begin{aligned} & \text { FAN } \\ & \text { ON } \end{aligned}$ | Your Legend Text Here | $\begin{array}{\|c\|} \hline \text { AC } \\ \text { FAN } \\ \text { ONLY } \\ \hline \end{array}$ | Not Recommended |
| Sample |  | Sample |  | Sample | Your Legend Text Here |

Minimum distance between characters is critical to legibility and cannot be less than $.015^{\prime \prime}$.
Refer to Legend Packet page JB10 to determine your maximum printable area. Legend Packet pages JB5 through JB9 provide character widths and heights. Note: All legends will be centered unless otherwise indicated.

Please make your selections below by checking one box in each row.

| Legend Color | Black $\quad \square$ White | Other (contact factory) |
| :---: | :---: | :---: |
| Printing Method | Screen Print $\square$ Pad Print | *Laser Etch $\square$ Other (contact factory) |
| **Legend Orientation | rm. nos. 3 and 1 top | Term. nos. 3 and 1 right side |
|  | Term. nos. 3 and 1 bottom | Term. nos. 3 and 1 left side |

## Cap Types and Combinations

## JB Series Legend Instructions

Caps for Nonilluminated
(egend on Cap Cap Cap

## JB Series Legend Instructions

Orientation of Legends in Relation to Terminals

|  | Sculptured Cap AT4058 Nonilluminated | Flat Cap <br> AT4059 Nonilluminated AT4140 Nonilluminated AT4060 Illuminated <br> $(+)$ and $(-)$ terminals on Illuminated only | Button with Frame AT4077 with AT4078 Nonilluminated AT4076 with AT4078 Illuminated <br> (+) and (-) terminals on illuminated only | Flat Cap for Right Angle AT4139 Nonilluminated |
| :---: | :---: | :---: | :---: | :---: |
| Terminal Numbers 3 and 1 Top |  |  |  | \|l|l| |
| 2 <br> Terminal Numbers 3 and 1 Right Side |  | ${ }_{2}^{1-2} \mathrm{ONS}^{3}{ }^{3}$ |  | ON $\square^{3}$ |
| Terminal Numbers 3 and 1 Bottom |  | ON |  | $\sqrt{\overline{\mathrm{ON}}}$ |
| Terminal Numbers 3 and 1 Left Side | OFF | ${ }_{3}^{1+1}$ |  | 10n |

SயITCHES
Font Styles

## JB Series Legend Instructions

The following tables display Helvetica font styles in graduated point sizes. These tables can give you an idea at a glance which size might be most compatible for your legend. For more detailed information on each font style and individual character widths, see pages JB6 through JB9.

HELVETICA LIGHT

| Actual Font <br> and Size | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWVI |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Font Size in Points | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 16 | 18 | 20 | 22 |
| Character Height | $.063^{\prime \prime}$ | $.075^{\prime \prime}$ | $.084^{\prime \prime}$ | $.092^{\prime \prime}$ | $.100^{\prime \prime}$ | $.111^{\prime \prime}$ | $.120^{\prime \prime}$ | $.141^{\prime \prime}$ | $.161^{\prime \prime}$ | $.189^{\prime \prime}$ | $.211^{\prime \prime}$ | $.231^{\prime \prime}$ |

See page JB6 for the Helvetica Light Font Style table.

## HELVETICA REGULAR

| Actual Font <br> and Size | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWVI |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Font Size in Points | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 16 | 18 | 20 | 22 |
| Character Height | $064^{\prime \prime}$ | $.077^{\prime \prime}$ | $.086^{\prime \prime}$ | $.096^{\prime \prime}$ | $.107^{\prime \prime}$ | $.118^{\prime \prime}$ | $.129^{\prime \prime}$ | $.149^{\prime \prime}$ | $.171^{\prime \prime}$ | $.189^{\prime \prime}$ | $.214^{\prime \prime}$ | $.250^{\prime \prime}$ |

See page JB7 for the Helvetica Regular Font Style table.

HELVETICA BOLD

| Actual Font <br> and Size |  |  | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EW |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Font Size in Points | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 16 | 18 | 20 | 22 |
| Character Height | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $.086^{\prime \prime}$ | $.096^{\prime \prime}$ | $.107^{\prime \prime}$ | $.117^{\prime \prime}$ | $.128^{\prime \prime}$ | $.149^{\prime \prime}$ | $.170^{\prime \prime}$ | $.191^{\prime \prime}$ | $.203^{\prime \prime}$ | $.234^{\prime \prime}$ |

See page JB8 for the Helvetica Bold Font Style table.

HELVETICA BLACK

| Actual Font <br> and Size |  |  | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EW | ENV | EVV |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Font Size in Points | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 16 | 18 | 20 | 22 |
| Character Height | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $.084^{\prime \prime}$ | $.095^{\prime \prime}$ | $.106^{\prime \prime}$ | $.116^{\prime \prime}$ | $.126^{\prime \prime}$ | $.149^{\prime \prime}$ | $.169^{\prime \prime}$ | $.189^{\prime \prime}$ | $.211^{\prime \prime}$ | $.229^{\prime \prime}$ |

See page JB9 for the Helvetica Black Font Style table.

Note: Minimum distance between characters on any font style is critical to legibility and cannot be less than $.015^{\prime \prime}$. Remember to include this dimension between each character width when calculating overall legend length.

## JB Series Legend Instructions

| Actual Font and Size | EW | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Font Size in Points | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 16 | 18 | 20 | 22 |
| Character Height | . 063 " | . $075^{\prime \prime}$ | .084" | .092" | .100" | "111 | .120" | .141" | .161" | .189" | 211" | .231" |
| Character | Character Widths in Inches |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & A \\ & B \\ & C \end{aligned}$ | $\begin{aligned} & .054 \\ & .044 \\ & .051 \end{aligned}$ | $\begin{aligned} & .062 \\ & .053 \\ & .062 \end{aligned}$ | $\begin{aligned} & .071 \\ & .053 \\ & .070 \end{aligned}$ | $\begin{aligned} & .081 \\ & .068 \\ & .079 \end{aligned}$ | $\begin{aligned} & .089 \\ & .075 \\ & .088 \end{aligned}$ | $\begin{aligned} & .098 \\ & .083 \\ & .088 \end{aligned}$ | $\begin{aligned} & .107 \\ & .089 \\ & .104 \end{aligned}$ | $\begin{aligned} & .124 \\ & .104 \\ & .122 \end{aligned}$ | $\begin{aligned} & .142 \\ & .117 \\ & .139 \end{aligned}$ | $\begin{aligned} & .160 \\ & .134 \\ & .156 \end{aligned}$ | $\begin{aligned} & .178 \\ & .148 \\ & .174 \end{aligned}$ | $\begin{aligned} & .195 \\ & .163 \\ & .191 \end{aligned}$ |
| $\begin{aligned} & \hline D \\ & E \\ & F \end{aligned}$ | $\begin{aligned} & .050 \\ & .042 \\ & .038 \end{aligned}$ | $\begin{aligned} & .058 \\ & .049 \\ & .045 \end{aligned}$ | $\begin{aligned} & .069 \\ & .055 \\ & .053 \end{aligned}$ | $\begin{aligned} & .074 \\ & .063 \\ & .059 \end{aligned}$ | $\begin{aligned} & .083 \\ & .069 \\ & .064 \end{aligned}$ | $\begin{aligned} & .091 \\ & .076 \\ & .072 \end{aligned}$ | $\begin{aligned} & .098 \\ & .076 \\ & .072 \end{aligned}$ | $\begin{aligned} & .116 \\ & .096 \\ & .091 \end{aligned}$ | $\begin{aligned} & .131 \\ & .109 \\ & .102 \end{aligned}$ | $\begin{aligned} & .148 \\ & .123 \\ & .117 \end{aligned}$ | $\begin{aligned} & .163 \\ & .137 \\ & .130 \end{aligned}$ | $\begin{aligned} & .181 \\ & .150 \\ & .142 \end{aligned}$ |
| $\begin{gathered} \mathrm{G} \\ \mathrm{H} \\ \mathrm{I} \end{gathered}$ | $\begin{aligned} & .055 \\ & .048 \\ & .006 \end{aligned}$ | $\begin{aligned} & .063 \\ & .056 \\ & .008 \end{aligned}$ | $\begin{aligned} & .072 \\ & .063 \\ & .009 \end{aligned}$ | $\begin{aligned} & .072 \\ & .072 \\ & .010 \\ & \hline \end{aligned}$ | $\begin{aligned} & .092 \\ & .079 \\ & .010 \end{aligned}$ | $\begin{aligned} & .099 \\ & .087 \\ & .011 \end{aligned}$ | $\begin{aligned} & .109 \\ & .095 \\ & .012 \end{aligned}$ | $\begin{array}{r} .126 \\ .110 \\ .014 \\ \hline \end{array}$ | $\begin{aligned} & .143 \\ & .125 \\ & .015 \end{aligned}$ | $\begin{aligned} & .162 \\ & .142 \\ & .018 \end{aligned}$ | $\begin{aligned} & .180 \\ & .158 \\ & .020 \\ & \hline \end{aligned}$ | $\begin{array}{r} .197 \\ .174 \\ .022 \\ \hline \end{array}$ |
| $\begin{aligned} & \mathrm{J} \\ & \mathrm{~K} \\ & \mathrm{~L} \end{aligned}$ | $\begin{aligned} & .033 \\ & .048 \\ & .037 \end{aligned}$ | $\begin{aligned} & .040 \\ & .056 \\ & .045 \end{aligned}$ | $\begin{aligned} & .044 \\ & .063 \\ & .050 \end{aligned}$ | $\begin{aligned} & .050 \\ & .071 \\ & .057 \end{aligned}$ | $\begin{aligned} & .056 \\ & .079 \\ & .064 \end{aligned}$ | $\begin{aligned} & .061 \\ & .088 \\ & .070 \end{aligned}$ | $\begin{aligned} & .061 \\ & .088 \\ & .076 \end{aligned}$ | $\begin{aligned} & .077 \\ & .110 \\ & .089 \end{aligned}$ | $\begin{aligned} & .088 \\ & .127 \\ & .102 \end{aligned}$ | $\begin{aligned} & .100 \\ & .145 \\ & .115 \end{aligned}$ | $\begin{aligned} & .110 \\ & 159 \\ & .127 \end{aligned}$ | $\begin{aligned} & .122 \\ & .173 \\ & .140 \end{aligned}$ |
| $\begin{aligned} & \mathrm{M} \\ & \mathrm{~N} \\ & \mathrm{O} \end{aligned}$ | $\begin{aligned} & .058 \\ & .049 \\ & .057 \\ & \hline \end{aligned}$ | $\begin{aligned} & .065 \\ & .056 \\ & .065 \\ & \hline \end{aligned}$ | $\begin{aligned} & .077 \\ & .063 \\ & .076 \end{aligned}$ | $\begin{aligned} & .086 \\ & .073 \\ & .084 \end{aligned}$ | $\begin{array}{\|l\|} \hline .096 \\ .079 \\ .095 \\ \hline \end{array}$ | $\begin{aligned} & .104 \\ & .087 \\ & .103 \\ & \hline \end{aligned}$ | $\begin{aligned} & .114 \\ & .095 \\ & .113 \\ & \hline \end{aligned}$ | $\begin{aligned} & .132 \\ & .110 \\ & .131 \end{aligned}$ | $\begin{aligned} & .151 \\ & .126 \\ & .149 \end{aligned}$ | $\begin{aligned} & .171 \\ & .142 \\ & .169 \\ & \hline \end{aligned}$ | $\begin{array}{r} .189 \\ .158 \\ .188 \end{array}$ | $\begin{array}{r} .206 \\ .174 \\ .205 \\ \hline \end{array}$ |
| $\begin{aligned} & \hline \mathrm{P} \\ & \mathrm{Q} \\ & \mathrm{R} \end{aligned}$ | $\begin{aligned} & .043 \\ & .057 \\ & .047 \end{aligned}$ | $\begin{aligned} & .050 \\ & .066 \\ & .052 \end{aligned}$ | $\begin{aligned} & .056 \\ & .076 \\ & .061 \\ & \hline \end{aligned}$ | $\begin{aligned} & .064 \\ & .085 \\ & .069 \end{aligned}$ | $\begin{aligned} & .070 \\ & .094 \\ & .075 \end{aligned}$ | $\begin{aligned} & .076 \\ & .105 \\ & .083 \end{aligned}$ | $\begin{aligned} & .084 \\ & .113 \\ & .090 \end{aligned}$ | $\begin{aligned} & .097 \\ & .131 \\ & .104 \end{aligned}$ | $\begin{aligned} & .112 \\ & .149 \\ & .118 \end{aligned}$ | $\begin{aligned} & .126 \\ & .168 \\ & .134 \end{aligned}$ | $\begin{aligned} & .139 \\ & .186 \\ & .155 \end{aligned}$ | $\begin{aligned} & .152 \\ & .206 \\ & .163 \end{aligned}$ |
| $\begin{aligned} & \mathrm{S} \\ & \mathrm{~T} \\ & \mathrm{U} \end{aligned}$ | $\begin{aligned} & .045 \\ & .045 \\ & .048 \end{aligned}$ | $\begin{aligned} & .052 \\ & .051 \\ & .056 \end{aligned}$ | $\begin{aligned} & .059 \\ & .059 \\ & .063 \end{aligned}$ | $\begin{aligned} & .069 \\ & .069 \\ & .069 \end{aligned}$ | $\begin{aligned} & \hline .074 \\ & .073 \\ & .078 \end{aligned}$ | $\begin{aligned} & .083 \\ & .082 \\ & .086 \end{aligned}$ | $\begin{aligned} & .087 \\ & .088 \\ & .094 \end{aligned}$ | $\begin{aligned} & .102 \\ & .102 \\ & .109 \end{aligned}$ | $\begin{aligned} & .117 \\ & .116 \\ & .125 \end{aligned}$ | $\begin{aligned} & .134 \\ & .133 \\ & .142 \end{aligned}$ | $\begin{aligned} & .147 \\ & .146 \\ & .155 \end{aligned}$ | $\begin{aligned} & .161 \\ & .161 \\ & .170 \end{aligned}$ |
| $\begin{aligned} & \hline v \\ & w \\ & X \end{aligned}$ | $\begin{aligned} & .049 \\ & .073 \\ & .048 \end{aligned}$ | $\begin{aligned} & .055 \\ & .084 \\ & .056 \end{aligned}$ | $\begin{aligned} & .064 \\ & .096 \end{aligned}$ | $\begin{aligned} & .073 \\ & .109 \\ & .073 \end{aligned}$ | $\begin{aligned} & .079 \\ & .1011 \\ & \hline \end{aligned}$ | $\begin{aligned} & .089 \\ & .133 \end{aligned}$ | $\begin{aligned} & .096 \\ & .145 \\ & .097 \end{aligned}$ | $\begin{aligned} & .113 \\ & .168 \\ & .113 \end{aligned}$ | $\begin{aligned} & .129 \\ & .192 \\ & .129 \end{aligned}$ | $\begin{aligned} & .146 \\ & .216 \\ & .147 \end{aligned}$ | $\begin{aligned} & .162 \\ & .241 \\ & .162 \end{aligned}$ | $\begin{aligned} & .177 \\ & .264 \\ & .177 \end{aligned}$ |
| $\begin{aligned} & Y \\ & Z \\ & Z \\ & 1 \end{aligned}$ | $\begin{aligned} & .050 \\ & .047 \\ & .022 \end{aligned}$ | $\begin{aligned} & .058 \\ & .053 \\ & .023 \end{aligned}$ | $\begin{aligned} & .066 \\ & .062 \\ & .028 \end{aligned}$ | $\begin{aligned} & .074 \\ & .070 \\ & .031 \end{aligned}$ | $\begin{aligned} & .083 \\ & .077 \\ & .036 \end{aligned}$ | $\begin{aligned} & .090 \\ & .077 \\ & .038 \end{aligned}$ | $\begin{aligned} & .097 \\ & .092 \\ & .042 \end{aligned}$ | $\begin{aligned} & .115 \\ & .108 \\ & .049 \end{aligned}$ | $\begin{aligned} & .131 \\ & .122 \\ & .055 \end{aligned}$ | $\begin{aligned} & .147 \\ & .138 \\ & .062 \end{aligned}$ | $\begin{aligned} & .163 \\ & .153 \\ & .069 \end{aligned}$ | $\begin{aligned} & .181 \\ & .168 \\ & .078 \end{aligned}$ |
| $\begin{aligned} & 2 \\ & 3 \\ & 4 \end{aligned}$ | $\begin{aligned} & .041 \\ & .041 \\ & .041 \end{aligned}$ | $\begin{aligned} & \hline .047 \\ & .048 \\ & .048 \end{aligned}$ | $\begin{aligned} & .053 \\ & .054 \\ & .054 \end{aligned}$ | $\begin{aligned} & .059 \\ & .060 \\ & .060 \end{aligned}$ | $\begin{aligned} & \hline .065 \\ & .067 \\ & .068 \end{aligned}$ | $\begin{aligned} & .072 \\ & .067 \\ & .068 \end{aligned}$ | $\begin{aligned} & .078 \\ & .080 \\ & .082 \end{aligned}$ | $\begin{aligned} & .093 \\ & .094 \\ & .095 \end{aligned}$ | $\begin{aligned} & .105 \\ & .107 \\ & .108 \end{aligned}$ | $\begin{aligned} & .117 \\ & .120 \\ & .122 \end{aligned}$ | $\begin{aligned} & .131 \\ & .133 \\ & .134 \end{aligned}$ | $\begin{aligned} & .145 \\ & .147 \\ & .149 \end{aligned}$ |
| $\begin{aligned} & 5 \\ & 6 \\ & 7 \end{aligned}$ | $\begin{aligned} & .040 \\ & .040 \\ & .038 \\ & \hline \end{aligned}$ | $\begin{aligned} & .046 \\ & .046 \\ & .044 \end{aligned}$ | $\begin{aligned} & .053 \\ & .054 \\ & .051 \end{aligned}$ | $\begin{aligned} & .059 \\ & .060 \\ & .057 \end{aligned}$ | $\begin{aligned} & .067 \\ & .066 \\ & .063 \end{aligned}$ | $\begin{aligned} & .073 \\ & .073 \\ & .069 \end{aligned}$ | $\begin{aligned} & .079 \\ & .081 \\ & .075 \end{aligned}$ | $\begin{aligned} & .092 \\ & .093 \\ & .089 \end{aligned}$ | $\begin{aligned} & .105 \\ & .104 \\ & .101 \end{aligned}$ | $\begin{aligned} & .118 \\ & .119 \\ & .113 \end{aligned}$ | $\begin{aligned} & .131 \\ & .132 \\ & .125 \end{aligned}$ | $\begin{aligned} & .145 \\ & .146 \\ & .138 \end{aligned}$ |
| $\begin{aligned} & \hline 8 \\ & 9 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & .040 \\ & .040 \\ & .040 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline .046 \\ & .047 \\ & .048 \\ & \hline \end{aligned}$ | $\begin{aligned} & .052 \\ & .054 \\ & .054 \\ & \hline \end{aligned}$ | $\begin{aligned} & .060 \\ & .060 \\ & .060 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline .060 \\ .066 \\ .067 \end{array}$ | $\begin{aligned} & .072 \\ & .073 \\ & .074 \end{aligned}$ | $\begin{aligned} & .078 \\ & .080 \\ & .080 \end{aligned}$ | $\begin{array}{r} .092 \\ .093 \\ .093 \\ \hline \end{array}$ | $\begin{aligned} & \hline .106 \\ & .106 \\ & .107 \end{aligned}$ | $\begin{aligned} & .117 \\ & .119 \\ & .120 \end{aligned}$ | $\begin{array}{r} .131 \\ .133 \\ .133 \\ \hline \end{array}$ | $\begin{array}{r} .144 \\ .146 \\ .147 \\ \hline \end{array}$ |
| + | $\begin{aligned} & \hline .005 \\ & .007 \\ & .042 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline .007 \\ & .008 \\ & \hline .050 \\ & \hline \end{aligned}$ | $\begin{aligned} & .008 \\ & .009 \\ & .056 \end{aligned}$ | $\begin{aligned} & .010 \\ & .010 \\ & .064 \end{aligned}$ | $\begin{aligned} & .010 \\ & .010 \\ & .069 \end{aligned}$ | $\begin{aligned} & .013 \\ & .012 \\ & .077 \end{aligned}$ | $\begin{aligned} & .013 \\ & .014 \\ & .085 \end{aligned}$ | $\begin{aligned} & .014 \\ & .016 \\ & .097 \end{aligned}$ | $\begin{aligned} & .017 \\ & .017 \\ & .110 \end{aligned}$ | $\begin{array}{r} .019 \\ .019 \\ .125 \end{array}$ | $\begin{aligned} & .019 \\ & .021 \\ & .139 \end{aligned}$ | $\begin{aligned} & .023 \\ & .023 \\ & .153 \end{aligned}$ |
| 1 | $\begin{aligned} & .021 \\ & .023 \end{aligned}$ | $\begin{aligned} & .025 \\ & .029 \end{aligned}$ | $\begin{aligned} & \hline .029 \\ & .033 \end{aligned}$ | $\begin{aligned} & .032 \\ & .037 \end{aligned}$ | $\begin{aligned} & \hline .036 \\ & .042 \end{aligned}$ | $\begin{aligned} & .039 \\ & .046 \end{aligned}$ | $\begin{aligned} & .043 \\ & .050 \end{aligned}$ | $\begin{aligned} & .051 \\ & .057 \end{aligned}$ | $\begin{aligned} & .056 \\ & .065 \end{aligned}$ | $\begin{aligned} & .064 \\ & .074 \end{aligned}$ | $\begin{aligned} & .071 \\ & .081 \end{aligned}$ | $\begin{aligned} & .078 \\ & .089 \end{aligned}$ |

Note: Minimum distance between characters is critical to legibility and cannot be less than $.015^{\prime \prime}$.

## JB Series Legend Instructions

| Actual Font and Size | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | $E W I$ | $E W$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Font Size in Points | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 16 | 18 | 20 | 22 |
| Character Height | .064" | .077" | .086" | .096" | .107" | .118" | .129" | .149 | .171 | .189" | .214" | .250" |
| Character | Character Widths in Inches |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { A } \\ & \text { B } \\ & \text { C } \end{aligned}$ | $\begin{aligned} & .054 \\ & .045 \\ & .053 \end{aligned}$ | $\begin{aligned} & .063 \\ & .054 \\ & .062 \end{aligned}$ | $\begin{aligned} & .072 \\ & .061 \\ & .069 \end{aligned}$ | $\begin{aligned} & .081 \\ & .069 \\ & .079 \\ & \hline \end{aligned}$ | $\begin{aligned} & .089 \\ & .076 \\ & .088 \end{aligned}$ | $\begin{aligned} & .097 \\ & .084 \\ & .096 \end{aligned}$ | $\begin{aligned} & .108 \\ & .091 \\ & \hline \end{aligned}$ | $\begin{aligned} & .126 \\ & .105 \\ & .122 \end{aligned}$ | $\begin{aligned} & .142 \\ & .122 \\ & .139 \end{aligned}$ | $\begin{aligned} & .159 \\ & .139 \\ & .159 \end{aligned}$ | $\begin{aligned} & .178 \\ & .151 \\ & .176 \end{aligned}$ | $\begin{aligned} & .196 \\ & .167 \\ & .194 \end{aligned}$ |
| $\begin{aligned} & \hline D \\ & E \\ & F \end{aligned}$ | $\begin{aligned} & \hline .048 \\ & .044 \\ & .042 \end{aligned}$ | $\begin{aligned} & .056 \\ & .052 \\ & .056 \end{aligned}$ | $\begin{aligned} & .065 \\ & .059 \\ & .056 \end{aligned}$ | $\begin{aligned} & .073 \\ & .066 \\ & .063 \end{aligned}$ | $\begin{aligned} & \hline .082 \\ & .074 \\ & .069 \\ & \hline \end{aligned}$ | $\begin{aligned} & .090 \\ & .081 \\ & .076 \end{aligned}$ | $\begin{aligned} & .097 \\ & .086 \\ & .082 \end{aligned}$ | $\begin{aligned} & .112 \\ & .103 \\ & .095 \end{aligned}$ | $\begin{aligned} & .129 \\ & .116 \\ & .102 \end{aligned}$ | $\begin{aligned} & .145 \\ & .132 \\ & .122 \end{aligned}$ | $\begin{aligned} & .161 \\ & .1455 \\ & .136 \end{aligned}$ | $\begin{aligned} & .178 \\ & .160 \\ & .149 \end{aligned}$ |
| $\begin{aligned} & \text { G } \\ & \text { H } \\ & \text { I } \end{aligned}$ | $\begin{aligned} & .056 \\ & .048 \\ & .009 \\ & \hline \end{aligned}$ | $\begin{aligned} & .064 \\ & .056 \\ & .010 \\ & \hline \end{aligned}$ | $\begin{aligned} & .075 \\ & .063 \\ & .011 \end{aligned}$ | $\begin{aligned} & .085 \\ & .071 \\ & .010 \\ & \hline \end{aligned}$ | $\begin{aligned} & .094 \\ & .079 \\ & .014 \end{aligned}$ | $\begin{array}{r} .103 \\ .087 \\ .013 \\ \hline \end{array}$ | $\begin{array}{r} .111 \\ .094 \\ .016 \\ \hline \end{array}$ | $\begin{array}{r} .130 \\ .109 \\ .019 \\ \hline \end{array}$ | $\begin{array}{r} .147 \\ .125 \\ .020 \\ \hline \end{array}$ | $\begin{array}{r} .167 \\ .140 \\ .024 \\ \hline \end{array}$ | $\begin{array}{r} .185 \\ .157 \\ .028 \\ \hline \end{array}$ | $\begin{array}{r} .204 \\ .173 \\ .029 \\ \hline \end{array}$ |
| $\begin{aligned} & \mathrm{J} \\ & \mathrm{~K} \\ & \mathrm{~L} \end{aligned}$ | $\begin{aligned} & .035 \\ & .049 \\ & .039 \end{aligned}$ | $\begin{aligned} & .041 \\ & .057 \\ & .043 \end{aligned}$ | $\begin{aligned} & .047 \\ & .064 \\ & .051 \end{aligned}$ | $\begin{aligned} & .051 \\ & .073 \\ & .057 \end{aligned}$ | $\begin{aligned} & .057 \\ & .081 \\ & .063 \end{aligned}$ | $\begin{aligned} & .064 \\ & .088 \\ & .069 \end{aligned}$ | $\begin{aligned} & .070 \\ & .097 \\ & .076 \end{aligned}$ | $\begin{aligned} & .081 \\ & .111 \\ & .088 \end{aligned}$ | $\begin{aligned} & .090 \\ & .127 \\ & .102 \end{aligned}$ | $\begin{aligned} & .102 \\ & .144 \\ & .111 \end{aligned}$ | $\begin{aligned} & .115 \\ & .162 \\ & .127 \end{aligned}$ | $\begin{aligned} & .127 \\ & .178 \\ & .139 \end{aligned}$ |
| $\begin{aligned} & M \\ & N \\ & O \end{aligned}$ | $\begin{aligned} & .059 \\ & .049 \\ & .059 \end{aligned}$ | $\begin{aligned} & .067 \\ & .058 \\ & .069 \end{aligned}$ | $\begin{aligned} & .077 \\ & .064 \\ & .079 \end{aligned}$ | $\begin{aligned} & .086 \\ & .072 \\ & .089 \end{aligned}$ | $\begin{aligned} & .096 \\ & .079 \\ & .097 \end{aligned}$ | $\begin{aligned} & .107 \\ & .087 \\ & .109 \end{aligned}$ | $\begin{aligned} & .116 \\ & .096 \\ & .117 \end{aligned}$ | $\begin{aligned} & .134 \\ & .111 \\ & 138 \end{aligned}$ | $\begin{aligned} & .155 \\ & .129 \\ & .156 \end{aligned}$ | $\begin{aligned} & .173 \\ & .141 \\ & .177 \end{aligned}$ | $\begin{aligned} & .191 \\ & .160 \\ & .198 \end{aligned}$ | $\begin{aligned} & .211 \\ & .175 \\ & .215 \end{aligned}$ |
| $\begin{aligned} & \hline P \\ & Q \\ & R \end{aligned}$ | $\begin{aligned} & \hline .044 \\ & .058 \\ & .050 \end{aligned}$ | $\begin{aligned} & .052 \\ & .069 \\ & .058 \end{aligned}$ | $\begin{aligned} & .058 \\ & .079 \\ & .067 \end{aligned}$ | $\begin{aligned} & .066 \\ & .089 \\ & .075 \end{aligned}$ | $\begin{aligned} & .074 \\ & .099 \\ & .082 \end{aligned}$ | $\begin{aligned} & .082 \\ & .088 \\ & \hline \end{aligned}$ | $\begin{aligned} & .089 \\ & .117 \\ & .098 \end{aligned}$ | $\begin{aligned} & .103 \\ & .139 \\ & .113 \end{aligned}$ | $\begin{aligned} & .115 \\ & .157 \\ & .130 \end{aligned}$ | $\begin{aligned} & .133 \\ & .177 \\ & .147 \end{aligned}$ | $\begin{aligned} & .148 \\ & .198 \\ & .164 \end{aligned}$ | $\begin{aligned} & .161 \\ & .216 \\ & .181 \end{aligned}$ |
| $\begin{aligned} & S \\ & T \\ & U \end{aligned}$ | $\begin{aligned} & .048 \\ & .049 \\ & .048 \end{aligned}$ | $\begin{aligned} & .056 \\ & .056 \\ & .056 \end{aligned}$ | $\begin{aligned} & .064 \\ & .063 \\ & .063 \end{aligned}$ | $\begin{aligned} & .072 \\ & .071 \\ & .071 \end{aligned}$ | $\begin{aligned} & .080 \\ & .080 \\ & .078 \end{aligned}$ | $\begin{aligned} & .088 \\ & .089 \end{aligned}$ | $\begin{aligned} & .096 \\ & .097 \\ & .094 \end{aligned}$ | $\begin{aligned} & .111 \\ & .111 \\ & .110 \end{aligned}$ | $\begin{aligned} & .126 \\ & .127 \\ & .126 \end{aligned}$ | $\begin{aligned} & .142 \\ & .142 \\ & .139 \end{aligned}$ | $\begin{aligned} & .161 \\ & .161 \\ & .158 \end{aligned}$ | $\begin{aligned} & .161 \\ & .176 \\ & 173 \end{aligned}$ |
| $\begin{aligned} & \hline v \\ & w \\ & X \end{aligned}$ | $\begin{aligned} & .052 \\ & .076 \\ & .053 \end{aligned}$ | $\begin{aligned} & .060 \\ & .089 \\ & .062 \end{aligned}$ | $\begin{aligned} & .071 \\ & .071 \\ & .071 \end{aligned}$ | $\begin{aligned} & .077 \\ & .114 \\ & .080 \end{aligned}$ | $\begin{aligned} & .086 \\ & .128 \\ & .088 \end{aligned}$ | $\begin{aligned} & .097 \\ & .138 \\ & .098 \end{aligned}$ | $\begin{aligned} & .103 \\ & .153 \\ & .106 \end{aligned}$ | $\begin{aligned} & .120 \\ & .178 \\ & .122 \end{aligned}$ | $\begin{aligned} & .138 \\ & .204 \\ & .140 \end{aligned}$ | $\begin{aligned} & .154 \\ & .227 \\ & .156 \end{aligned}$ | $\begin{aligned} & .173 \\ & .251 \\ & .174 \end{aligned}$ | $\begin{aligned} & .189 \\ & .880 \\ & .193 \end{aligned}$ |
| $\begin{aligned} & Y \\ & Z \\ & Z \end{aligned}$ | $\begin{aligned} & .054 \\ & .047 \\ & .021 \\ & \hline \end{aligned}$ | $\begin{aligned} & .064 \\ & .054 \\ & .023 \\ & \hline \end{aligned}$ | $\begin{aligned} & .073 \\ & .063 \\ & .029 \end{aligned}$ | $\begin{aligned} & .083 \\ & .070 \\ & .031 \\ & \hline \end{aligned}$ | $\begin{aligned} & .090 \\ & .078 \\ & .035 \\ & \hline \end{aligned}$ | $\begin{aligned} & .100 \\ & .086 \\ & .038 \\ & \hline \end{aligned}$ | $\begin{aligned} & .109 \\ & .094 \\ & .041 \end{aligned}$ | $\begin{aligned} & .126 \\ & .108 \\ & .046 \end{aligned}$ | $\begin{aligned} & .146 \\ & .124 \\ & .056 \\ & \hline \end{aligned}$ | $\begin{array}{r} .162 \\ .139 \\ .063 \\ \hline \end{array}$ | $\begin{array}{r} .181 \\ .155 \\ .068 \\ \hline \end{array}$ | $\begin{array}{r} .200 \\ .172 \\ .076 \\ \hline \end{array}$ |
| $\begin{aligned} & 2 \\ & 3 \\ & 4 \end{aligned}$ | $\begin{aligned} & \hline .041 \\ & .041 \\ & .042 \end{aligned}$ | $\begin{aligned} & .047 \\ & .046 \\ & .048 \end{aligned}$ | $\begin{aligned} & .055 \\ & .054 \\ & .056 \end{aligned}$ | $\begin{aligned} & .061 \\ & .060 \\ & .062 \end{aligned}$ | $\begin{aligned} & .066 \\ & .067 \\ & .069 \end{aligned}$ | $\begin{aligned} & .074 \\ & .072 \\ & .076 \end{aligned}$ | $\begin{aligned} & .078 \\ & .080 \\ & .082 \end{aligned}$ | $\begin{aligned} & .093 \\ & .094 \\ & .096 \end{aligned}$ | $\begin{aligned} & .107 \\ & .107 \\ & \hline \end{aligned}$ | $\begin{aligned} & .119 \\ & .119 \\ & .122 \end{aligned}$ | $\begin{aligned} & .134 \\ & .133 \\ & .138 \end{aligned}$ | $\begin{aligned} & .146 \\ & .146 \\ & .151 \end{aligned}$ |
| $\begin{aligned} & 5 \\ & 6 \\ & 7 \\ & \hline \end{aligned}$ | $\begin{aligned} & .041 \\ & .040 \\ & .041 \end{aligned}$ | $\begin{aligned} & .048 \\ & .046 \\ & .047 \end{aligned}$ | $\begin{aligned} & .054 \\ & .054 \\ & .053 \end{aligned}$ | $\begin{aligned} & .061 \\ & .060 \\ & .060 \end{aligned}$ | $\begin{aligned} & .067 \\ & .066 \\ & .069 \end{aligned}$ | $\begin{aligned} & .074 \\ & .072 \\ & .072 \end{aligned}$ | $\begin{aligned} & .080 \\ & .080 \\ & .080 \end{aligned}$ | $\begin{aligned} & .093 \\ & .092 \\ & .093 \end{aligned}$ | $\begin{aligned} & .107 \\ & .107 \\ & .105 \end{aligned}$ | $\begin{aligned} & .120 \\ & .119 \\ & .118 \end{aligned}$ | $\begin{aligned} & .134 \\ & .131 \\ & .133 \end{aligned}$ | $\begin{aligned} & .148 \\ & .145 \\ & .145 \end{aligned}$ |
| $\begin{aligned} & \hline 8 \\ & 9 \\ & 0 \end{aligned}$ | $\begin{aligned} & .040 \\ & .040 \\ & .040 \\ & \hline \end{aligned}$ | $\begin{aligned} & .046 \\ & .046 \\ & .045 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline .053 \\ & .053 \\ & .052 \end{aligned}$ | $\begin{aligned} & .060 \\ & .059 \\ & .059 \\ & \hline \end{aligned}$ | $\begin{aligned} & .066 \\ & .065 \\ & .065 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline .073 \\ & .072 \\ & .071 \\ & \hline \end{aligned}$ | $\begin{aligned} & .079 \\ & .080 \\ & .077 \end{aligned}$ | $\begin{aligned} & .092 \\ & .092 \\ & .090 \\ & \hline \end{aligned}$ | $\begin{aligned} & .107 \\ & .105 \\ & .102 \end{aligned}$ | $\begin{aligned} & .119 \\ & .119 \\ & .116 \end{aligned}$ | $\begin{array}{r} .133 \\ .132 \\ .129 \\ \hline \end{array}$ | $\begin{aligned} & .147 \\ & .145 \\ & .141 \end{aligned}$ |
| + | $\begin{aligned} & .009 \\ & .008 \\ & .041 \end{aligned}$ | $\begin{aligned} & .011 \\ & .011 \\ & .048 \end{aligned}$ | $\begin{aligned} & .012 \\ & .012 \\ & .054 \end{aligned}$ | $\begin{aligned} & .014 \\ & .014 \\ & .061 \end{aligned}$ | $\begin{aligned} & .015 \\ & .017 \\ & .068 \end{aligned}$ | $\begin{aligned} & .016 \\ & .017 \\ & .074 \end{aligned}$ | $\begin{aligned} & .017 \\ & .018 \\ & .081 \end{aligned}$ | $\begin{aligned} & .020 \\ & .020 \\ & .095 \end{aligned}$ | $\begin{aligned} & .023 \\ & .024 \\ & .110 \end{aligned}$ | $\begin{aligned} & .027 \\ & .026 \\ & .122 \end{aligned}$ | $\begin{aligned} & .029 \\ & .030 \\ & .134 \end{aligned}$ | $\begin{aligned} & .031 \\ & .023 \\ & .149 \end{aligned}$ |
| / | .020 .025 | $\begin{aligned} & .023 \\ & .029 \end{aligned}$ | $\begin{aligned} & .026 \\ & .033 \end{aligned}$ | $\begin{aligned} & .030 \\ & .039 \end{aligned}$ | $\begin{aligned} & \hline .034 \\ & .041 \end{aligned}$ | $\begin{aligned} & \hline .037 \\ & .045 \end{aligned}$ | $\begin{aligned} & \hline .041 \\ & .050 \end{aligned}$ | $\begin{aligned} & .048 \\ & .056 \end{aligned}$ | $\begin{aligned} & .054 \\ & .065 \end{aligned}$ | $\begin{aligned} & \hline .061 \\ & .074 \end{aligned}$ | $\begin{aligned} & .066 \\ & .081 \end{aligned}$ | $\begin{aligned} & .074 \\ & .089 \end{aligned}$ |

Note: Minimum distance between characters is critical to legibility and cannot be less than $.015^{\prime \prime}$.

Helvetica Bold

## JB Series Legend Instructions

| Actual Font and Size |  |  | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | $E W /$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Font Size in Points | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 16 | 18 | 20 | 22 |
| Character Height | n/a | n/a | .086" | .096" | .107" | .117" | .128" | .149" | .170" | .191" | . 203 " | 234" |
| Character | Character Widths in Inches |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { A } \\ & \text { B } \\ & \text { C } \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .076 \\ & .065 \\ & .073 \\ & \hline \end{aligned}$ | $\begin{aligned} & .085 \\ & .083 \\ & .081 \end{aligned}$ | $\begin{array}{\|l} \hline .095 \\ .082 \\ \hline .089 \\ \hline \end{array}$ | $\begin{aligned} & .105 \\ & .089 \\ & .098 \\ & \hline \end{aligned}$ | $\begin{array}{r} .113 \\ .097 \\ .107 \\ \hline \end{array}$ | $\begin{array}{r} .132 \\ .114 \\ .125 \\ \hline \end{array}$ | $\begin{aligned} & .150 \\ & .129 \\ & .144 \end{aligned}$ | $\begin{array}{r} .170 \\ .146 \\ .162 \\ \hline \end{array}$ | $\begin{array}{r} .189 \\ .163 \\ .179 \\ \hline \end{array}$ | $\begin{aligned} & .208 \\ & .179 \\ & .196 \\ & \hline \end{aligned}$ |
| $\begin{aligned} & \hline D \\ & E \\ & F \end{aligned}$ | n/a | n/a | $\begin{aligned} & .068 \\ & .062 \\ & .057 \end{aligned}$ | $\begin{aligned} & \hline .076 \\ & .069 \\ & .065 \end{aligned}$ | $\begin{aligned} & .085 \\ & .076 \\ & .072 \end{aligned}$ | $\begin{aligned} & .093 \\ & .084 \\ & .079 \end{aligned}$ | $\begin{aligned} & .102 \\ & .092 \\ & .086 \end{aligned}$ | $\begin{aligned} & .119 \\ & .107 \\ & .101 \end{aligned}$ | $\begin{aligned} & .135 \\ & .122 \\ & .115 \end{aligned}$ | $\begin{aligned} & .151 \\ & .137 \\ & .129 \end{aligned}$ | $\begin{aligned} & .168 \\ & .152 \\ & .143 \end{aligned}$ | $\begin{aligned} & .186 \\ & .168 \\ & .157 \end{aligned}$ |
| $\begin{gathered} \mathrm{G} \\ \mathrm{H} \\ \mathrm{I} \end{gathered}$ | n/a | n/a | $\begin{aligned} & .075 \\ & .065 \\ & .017 \end{aligned}$ | $\begin{array}{\|l\|} \hline .084 \\ .075 \\ .019 \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline .094 \\ .083 \\ \hline .022 \\ \hline \end{array}$ | $\begin{aligned} & .103 \\ & .090 \\ & .023 \\ & \hline \end{aligned}$ | $\begin{array}{r} .112 \\ .099 \\ .026 \\ \hline \end{array}$ | $\begin{aligned} & .130 \\ & .116 \\ & .030 \\ & \hline \end{aligned}$ | $\begin{aligned} & .149 \\ & .131 \\ & .034 \end{aligned}$ | $\begin{array}{r} .168 \\ .148 \\ .038 \end{array}$ | $\begin{aligned} & .186 \\ & .164 \\ & .043 \end{aligned}$ | $\begin{array}{r} .205 \\ .181 \\ .047 \\ \hline \end{array}$ |
| $\begin{aligned} & \mathrm{J} \\ & \mathrm{~K} \\ & \mathrm{~L} \end{aligned}$ | n/a | n/a | $\begin{aligned} & .052 \\ & .073 \\ & .056 \end{aligned}$ | $\begin{array}{\|l\|} \hline .059 \\ .082 \\ .063 \end{array}$ | $\begin{aligned} & .065 \\ & .090 \\ & .070 \end{aligned}$ | $\begin{aligned} & .071 \\ & .099 \\ & .076 \end{aligned}$ | $\begin{aligned} & .077 \\ & .109 \\ & .084 \end{aligned}$ | $\begin{aligned} & .091 \\ & .126 \\ & .098 \end{aligned}$ | $\begin{aligned} & .103 \\ & .143 \\ & .111 \end{aligned}$ | $\begin{aligned} & .116 \\ & .162 \\ & .126 \end{aligned}$ | $\begin{aligned} & .129 \\ & .180 \\ & .140 \end{aligned}$ | $\begin{aligned} & .142 \\ & .198 \\ & .154 \end{aligned}$ |
| $\begin{aligned} & M \\ & N \\ & \mathrm{~N} \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .080 \\ & .067 \\ & .079 \\ & \hline \end{aligned}$ | $\begin{aligned} & .089 \\ & .075 \\ & .088 \end{aligned}$ | $\begin{array}{\|l\|} \hline .100 \\ .083 \\ \hline .097 \\ \hline \end{array}$ | $\begin{aligned} & \hline .109 \\ & .091 \\ & .107 \\ & \hline \end{aligned}$ | $\begin{aligned} & .120 \\ & .100 \\ & .118 \end{aligned}$ | $\begin{aligned} & .140 \\ & .116 \\ & .137 \end{aligned}$ | $\begin{aligned} & .159 \\ & .132 \\ & .156 \end{aligned}$ | $\begin{array}{r} .179 \\ .148 \\ .176 \\ \hline \end{array}$ | $\begin{aligned} & .199 \\ & .166 \\ & .195 \end{aligned}$ | $\begin{aligned} & .219 \\ & .182 \\ & .215 \end{aligned}$ |
| $\begin{aligned} & P \\ & Q \\ & R \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\begin{aligned} & .063 \\ & .077 \\ & .067 \end{aligned}$ | $\begin{array}{\|l\|} \hline .070 \\ .088 \\ \hline .076 \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline .078 \\ .098 \\ \hline .083 \\ \hline \end{array}$ | $\begin{aligned} & \hline .086 \\ & .108 \\ & .092 \end{aligned}$ | $\begin{aligned} & .095 \\ & .118 \\ & .100 \end{aligned}$ | $\begin{aligned} & .109 \\ & .137 \\ & .116 \end{aligned}$ | $\begin{aligned} & .124 \\ & .157 \\ & .133 \end{aligned}$ | $\begin{aligned} & .140 \\ & .175 \\ & .149 \end{aligned}$ | $\begin{aligned} & .155 \\ & .195 \\ & .167 \end{aligned}$ | $\begin{aligned} & .171 \\ & .216 \\ & .184 \end{aligned}$ |
| $\begin{aligned} & \mathrm{S} \\ & \mathrm{~T} \\ & \mathrm{U} \\ & \hline \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .068 \\ & .065 \\ & .065 \\ & \hline \end{aligned}$ | $\begin{aligned} & .076 \\ & .074 \\ & .073 \end{aligned}$ | $\begin{aligned} & .084 \\ & .082 \\ & .082 \end{aligned}$ | $\begin{aligned} & .092 \\ & .089 \\ & .089 \\ & \hline \end{aligned}$ | $\begin{array}{r} .102 \\ .098 \\ .098 \\ \hline \end{array}$ | $\begin{array}{r} .118 \\ .115 \\ .114 \\ \hline \end{array}$ | $\begin{array}{r} .135 \\ .131 \\ .129 \\ \hline \end{array}$ | $\begin{array}{r} .151 \\ .147 \\ .145 \\ \hline \end{array}$ | $\begin{array}{r} .168 \\ .163 \\ .162 \\ \hline \end{array}$ | $\begin{aligned} & .185 \\ & .180 \\ & .177 \end{aligned}$ |
| $\begin{aligned} & \hline v \\ & w \\ & X \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .069 \\ & .02 \\ & .070 \end{aligned}$ | $\begin{array}{\|l\|} \hline .078 \\ .116 \\ .081 \\ \hline \end{array}$ | $\begin{aligned} & \hline .087 \\ & .129 \\ & .089 \\ & \hline \end{aligned}$ | $\begin{aligned} & .096 \\ & .142 \\ & .098 \end{aligned}$ | $\begin{aligned} & .104 \\ & .155 \\ & .106 \end{aligned}$ | $\begin{aligned} & .122 \\ & .180 \\ & .122 \end{aligned}$ | $\begin{aligned} & .140 \\ & .206 \\ & .140 \end{aligned}$ | $\begin{aligned} & .157 \\ & .230 \\ & .159 \end{aligned}$ | $\begin{aligned} & .175 \\ & .256 \\ & .176 \end{aligned}$ | $\begin{aligned} & .191 \\ & .281 \\ & .193 \end{aligned}$ |
| $\begin{aligned} & Y \\ & Y \\ & Z \\ & 1 \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .069 \\ & .062 \\ & .035 \end{aligned}$ | $\begin{array}{r} .078 \\ .069 \\ .039 \end{array}$ | $\begin{aligned} & .087 \\ & .077 \\ & .043 \end{aligned}$ | $\begin{aligned} & .096 \\ & .084 \\ & .049 \end{aligned}$ | $\begin{aligned} & .105 \\ & .092 \\ & .053 \end{aligned}$ | $\begin{aligned} & .122 \\ & .108 \\ & .060 \end{aligned}$ | $\begin{aligned} & .139 \\ & .122 \\ & .069 \end{aligned}$ | $\begin{aligned} & .156 \\ & .138 \\ & .078 \end{aligned}$ | $\begin{aligned} & .175 \\ & .153 \\ & .086 \end{aligned}$ | $\begin{aligned} & .191 \\ & .168 \\ & .096 \end{aligned}$ |
| $\begin{aligned} & 2 \\ & 3 \\ & 4 \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .054 \\ & .055 \\ & .056 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline .061 \\ .062 \\ .063 \\ \hline \end{array}$ | $\begin{array}{\|l} \hline .067 \\ .069 \\ .069 \\ \hline \end{array}$ | $\begin{aligned} & \hline .074 \\ & .076 \\ & .077 \end{aligned}$ | $\begin{aligned} & .082 \\ & .082 \\ & .083 \end{aligned}$ | $\begin{aligned} & .094 \\ & .095 \\ & .098 \\ & \hline \end{aligned}$ | $\begin{aligned} & .107 \\ & .109 \\ & .112 \end{aligned}$ | $\begin{aligned} & .122 \\ & .122 \\ & .125 \end{aligned}$ | $\begin{aligned} & .135 \\ & .136 \\ & .140 \end{aligned}$ | $\begin{array}{r} .148 \\ .149 \\ .153 \\ \hline \end{array}$ |
| $\begin{aligned} & \hline 5 \\ & 6 \\ & 7 \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .056 \\ & .055 \\ & .056 \end{aligned}$ | $\begin{aligned} & .062 \\ & .063 \\ & .063 \end{aligned}$ | $\begin{aligned} & \hline .069 \\ & .069 \\ & .070 \end{aligned}$ | $\begin{aligned} & .076 \\ & .076 \\ & .077 \end{aligned}$ | $\begin{aligned} & .083 \\ & .082 \\ & .084 \end{aligned}$ | $\begin{aligned} & .096 \\ & .096 \\ & .098 \end{aligned}$ | $\begin{aligned} & .109 \\ & .109 \\ & \hline \end{aligned}$ | $\begin{aligned} & .122 \\ & .122 \\ & .119 \end{aligned}$ | $\begin{aligned} & .136 \\ & .138 \\ & .140 \end{aligned}$ | $\begin{aligned} & .151 \\ & .149 \\ & .155 \end{aligned}$ |
| $\begin{aligned} & \hline 8 \\ & 9 \\ & 0 \\ & \hline \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .056 \\ & .055 \\ & .055 \\ & \hline \end{aligned}$ | $\begin{aligned} & .063 \\ & .061 \\ & .062 \end{aligned}$ | $\begin{aligned} & .069 \\ & .069 \\ & .069 \end{aligned}$ | $\begin{aligned} & .078 \\ & .076 \\ & .076 \end{aligned}$ | $\begin{aligned} & \hline .085 \\ & .083 \\ & .081 \end{aligned}$ | $\begin{aligned} & .099 \\ & .096 \\ & .096 \\ & \hline \end{aligned}$ | $\begin{aligned} & .112 \\ & .109 \\ & .109 \\ & \hline \end{aligned}$ | $\begin{aligned} & .127 \\ & .122 \\ & .122 \\ & \hline \end{aligned}$ | $\begin{aligned} & .140 \\ & .135 \\ & .137 \end{aligned}$ | $\begin{aligned} & .154 \\ & .149 \\ & .150 \\ & \hline \end{aligned}$ |
| + | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .017 \\ & .017 \\ & .054 \end{aligned}$ | $\begin{aligned} & .019 \\ & .020 \\ & .061 \end{aligned}$ | $\begin{array}{\|l\|} \hline .021 \\ .022 \\ \hline .068 \\ \hline \end{array}$ | $\begin{aligned} & .023 \\ & .023 \\ & .075 \end{aligned}$ | $\begin{aligned} & .026 \\ & .026 \\ & .081 \end{aligned}$ | $\begin{aligned} & .030 \\ & .030 \\ & .096 \end{aligned}$ | $\begin{aligned} & .033 \\ & .034 \\ & .108 \end{aligned}$ | $\begin{aligned} & .038 \\ & .038 \\ & .122 \end{aligned}$ | $\begin{aligned} & .043 \\ & .043 \\ & .135 \end{aligned}$ | $\begin{aligned} & .047 \\ & .047 \\ & .148 \end{aligned}$ |
| 1 | n/a | n/a | $\begin{aligned} & .031 \\ & .030 \end{aligned}$ | $\begin{aligned} & \hline .034 \\ & .035 \end{aligned}$ | $\begin{aligned} & \hline .038 \\ & \hline 038 \end{aligned}$ | $\begin{aligned} & \hline .042 \\ & .043 \end{aligned}$ | $\begin{aligned} & .046 \\ & .046 \end{aligned}$ | $\begin{aligned} & .054 \\ & .054 \end{aligned}$ | $\begin{aligned} & .061 \\ & .062 \end{aligned}$ | $\begin{aligned} & .069 \\ & .069 \end{aligned}$ | $\begin{aligned} & .078 \\ & .076 \end{aligned}$ | $\begin{aligned} & .084 \\ & .084 \end{aligned}$ |

Note: Minimum distance between characters is critical to legibility and cannot be less than $.015^{\prime \prime}$.

## JB Series Legend Instructions

| Actual Font and Size |  |  | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EWI | EM | WT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Font Size in Points | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 14 | 16 | 18 | 20 | 22 |
| Character Height | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | .084" | .095" | .106" | .116" | .126" | .149" | .169" | .189" | 211" | .229" |
| Character | Character Widths in Inches |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & A \\ & B \\ & \text { B } \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .085 \\ & .085 \\ & .082 \end{aligned}$ | $\begin{aligned} & .096 \\ & .084 \\ & .091 \end{aligned}$ | .106 <br> .093 <br> .102 | $\begin{aligned} & .116 \\ & .102 \\ & .112 \end{aligned}$ | $\begin{aligned} & .127 \\ & .111 \\ & .122 \end{aligned}$ | $\begin{aligned} & .148 \\ & .129 \\ & .142 \end{aligned}$ | $\begin{array}{r} .170 \\ .147 \\ .162 \end{array}$ | $\begin{aligned} & .186 \\ & .167 \\ & .182 \end{aligned}$ | $\begin{aligned} & .211 \\ & .184 \\ & .203 \end{aligned}$ | $\begin{aligned} & .233 \\ & .203 \\ & .222 \end{aligned}$ |
| $\begin{aligned} & \hline D \\ & \mathrm{E} \\ & \mathrm{~F} \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .078 \\ & .068 \\ & .063 \end{aligned}$ | $\begin{aligned} & .088 \\ & .076 \\ & .071 \end{aligned}$ | $\begin{aligned} & .097 \\ & .084 \\ & .079 \end{aligned}$ | $\begin{aligned} & .107 \\ & .093 \\ & .087 \end{aligned}$ | $\begin{aligned} & .115 \\ & .101 \\ & .094 \end{aligned}$ | $\begin{aligned} & .136 \\ & .117 \\ & .110 \end{aligned}$ | $\begin{aligned} & .155 \\ & .134 \\ & .125 \end{aligned}$ | $\begin{aligned} & .174 \\ & .151 \\ & .141 \end{aligned}$ | $\begin{aligned} & .193 \\ & .168 \\ & .157 \end{aligned}$ | $\begin{array}{r} .214 \\ .184 \\ .173 \end{array}$ |
| $\begin{gathered} \mathrm{G} \\ \mathrm{H} \\ \mathrm{I} \end{gathered}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\begin{aligned} & .082 \\ & .078 \\ & .027 \end{aligned}$ | $\begin{aligned} & .092 \\ & .088 \\ & .030 \end{aligned}$ | $\begin{aligned} & .102 \\ & .097 \\ & .034 \end{aligned}$ | $\begin{aligned} & .112 \\ & .108 \\ & .037 \end{aligned}$ | $\begin{aligned} & .122 \\ & .117 \\ & .040 \end{aligned}$ | $\begin{aligned} & .141 \\ & .136 \\ & .047 \end{aligned}$ | $\begin{aligned} & .162 \\ & .155 \\ & .053 \end{aligned}$ | $\begin{aligned} & .183 \\ & .175 \\ & .060 \end{aligned}$ | $\begin{aligned} & .203 \\ & .194 \\ & .067 \end{aligned}$ | $\begin{aligned} & .223 \\ & .212 \\ & .072 \end{aligned}$ |
| $\begin{aligned} & \hline \text { J } \\ & \text { K } \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .065 \\ & .084 \\ & .063 \end{aligned}$ | $\begin{aligned} & .072 \\ & .095 \\ & .071 \end{aligned}$ | $\begin{aligned} & .081 \\ & .104 \\ & .079 \end{aligned}$ | $\begin{aligned} & .088 \\ & .116 \\ & 0.07 \end{aligned}$ | $\begin{aligned} & .096 \\ & .125 \\ & .094 \end{aligned}$ | $\begin{aligned} & .112 \\ & .147 \\ & .110 \end{aligned}$ | $\begin{aligned} & .127 \\ & .167 \\ & .125 \end{aligned}$ | $\begin{aligned} & .142 \\ & .188 \\ & .141 \end{aligned}$ | $\begin{aligned} & .159 \\ & .210 \\ & .157 \end{aligned}$ | $\begin{aligned} & .175 \\ & .230 \\ & .171 \end{aligned}$ |
| $\begin{aligned} & M \\ & N \\ & \mathrm{~N} \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{array}{r} .092 \\ .078 \\ .085 \end{array}$ | $\begin{aligned} & .103 \\ & .087 \\ & .095 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline .115 \\ .097 \\ .106 \\ \hline \end{array}$ | $\begin{aligned} & .126 \\ & .108 \\ & .116 \\ & \hline \end{aligned}$ | $\begin{array}{r} .139 \\ .116 \\ .126 \\ \hline \end{array}$ | $\begin{aligned} & .161 \\ & .136 \\ & .148 \end{aligned}$ | $\begin{aligned} & .184 \\ & .155 \\ & .168 \end{aligned}$ | $\begin{array}{r} .208 \\ .175 \\ .190 \\ \hline \end{array}$ | $\begin{aligned} & .230 \\ & .194 \\ & .211 \end{aligned}$ | $\begin{aligned} & .251 \\ & .214 \\ & .231 \\ & \hline \end{aligned}$ |
| $\begin{aligned} & \hline \mathrm{P} \\ & \mathrm{Q} \\ & \mathrm{R} \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .074 \\ & .085 \\ & .076 \end{aligned}$ | $\begin{aligned} & .083 \\ & .095 \\ & .087 \end{aligned}$ | $\begin{aligned} & .092 \\ & .066 \\ & .096 \end{aligned}$ | $\begin{aligned} & .101 \\ & .116 \\ & .105 \end{aligned}$ | $\begin{aligned} & .109 \\ & .126 \\ & .115 \end{aligned}$ | $\begin{aligned} & .128 \\ & .147 \\ & .135 \end{aligned}$ | $\begin{aligned} & .146 \\ & .168 \\ & .153 \\ & \hline \end{aligned}$ | $\begin{aligned} & .165 \\ & .189 \\ & .172 \end{aligned}$ | $\begin{aligned} & .183 \\ & .211 \\ & .192 \\ & \hline \end{aligned}$ | $\begin{aligned} & .200 \\ & .230 \\ & .212 \end{aligned}$ |
| $\begin{aligned} & \hline S \\ & T \\ & U \\ & \hline \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .074 \\ & .074 \\ & .078 \\ & \hline \end{aligned}$ | $\begin{aligned} & .083 \\ & .084 \\ & .088 \\ & \hline \end{aligned}$ | $\begin{aligned} & .092 \\ & .093 \\ & .097 \end{aligned}$ | $\begin{aligned} & \hline .101 \\ & .102 \\ & .108 \\ & \hline \end{aligned}$ | $\begin{array}{r} .109 \\ .110 \\ .116 \\ \hline \end{array}$ | $\begin{array}{r} .129 \\ .129 \\ .135 \\ \hline \end{array}$ | $\begin{array}{r} .147 \\ .147 \\ .155 \\ \hline \end{array}$ | $\begin{array}{r} .165 \\ .166 \\ .175 \\ \hline \end{array}$ | $\begin{aligned} & .182 \\ & .185 \\ & .194 \end{aligned}$ | $\begin{aligned} & .201 \\ & .203 \\ & .211 \end{aligned}$ |
| $\begin{aligned} & \hline v \\ & w \\ & X \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .083 \\ & .111 \\ & .086 \end{aligned}$ | $\begin{aligned} & .093 \\ & .124 \\ & .097 \end{aligned}$ | $\begin{array}{\|l\|} \hline .102 \\ .138 \\ .106 \\ \hline \end{array}$ | $\begin{aligned} & .112 \\ & .152 \\ & .117 \end{aligned}$ | $\begin{aligned} & .123 \\ & .167 \\ & .128 \end{aligned}$ | $\begin{aligned} & .142 \\ & .194 \\ & .149 \end{aligned}$ | $\begin{aligned} & .164 \\ & .221 \\ & .171 \end{aligned}$ | $\begin{aligned} & .184 \\ & .250 \\ & .190 \end{aligned}$ | $\begin{aligned} & .205 \\ & .275 \\ & .213 \end{aligned}$ | $\begin{aligned} & .226 \\ & .303 \\ & .234 \end{aligned}$ |
| $\begin{aligned} & Y \\ & Z \\ & Z \\ & 1 \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .086 \\ & .073 \\ & .042 \end{aligned}$ | $\begin{aligned} & .098 \\ & .082 \\ & .047 \\ & \hline \end{aligned}$ | $\begin{aligned} & .109 \\ & .090 \\ & .052 \end{aligned}$ | $\begin{array}{r} .119 \\ .100 \\ .058 \\ \hline \end{array}$ | $\begin{aligned} & .129 \\ & .109 \\ & .063 \\ & \hline \end{aligned}$ | $\begin{array}{r} .150 \\ .127 \\ .073 \\ \hline \end{array}$ | $\begin{array}{r} .172 \\ .145 \\ .083 \\ \hline \end{array}$ | $\begin{array}{r} .194 \\ .163 \\ .094 \\ \hline \end{array}$ | $\begin{array}{r} .215 \\ .181 \\ .104 \\ \hline \end{array}$ | $\begin{array}{r} .237 \\ .199 \\ .113 \\ \hline \end{array}$ |
| $\begin{aligned} & 2 \\ & 3 \\ & 4 \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .068 \\ & .069 \\ & .069 \end{aligned}$ | $\begin{aligned} & .076 \\ & .076 \\ & .076 \end{aligned}$ | $\begin{aligned} & .083 \\ & .083 \\ & .086 \end{aligned}$ | $\begin{aligned} & .091 \\ & .092 \\ & .094 \end{aligned}$ | $\begin{aligned} & .100 \\ & .101 \\ & .102 \end{aligned}$ | $\begin{aligned} & .117 \\ & .117 \\ & .120 \end{aligned}$ | $\begin{aligned} & .132 \\ & .133 \\ & .136 \end{aligned}$ | $\begin{aligned} & .149 \\ & .150 \\ & .154 \end{aligned}$ | $\begin{aligned} & .167 \\ & .167 \\ & .170 \end{aligned}$ | $\begin{aligned} & .183 \\ & .184 \\ & .188 \end{aligned}$ |
| $\begin{aligned} & 5 \\ & 6 \\ & 7 \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .069 \\ & .069 \\ & .064 \end{aligned}$ | $\begin{aligned} & .076 \\ & .077 \\ & .072 \end{aligned}$ | $\begin{array}{\|l\|} \hline .085 \\ .086 \\ .080 \\ \hline \end{array}$ | $\begin{aligned} & .094 \\ & .095 \\ & .088 \end{aligned}$ | $\begin{aligned} & .102 \\ & .103 \\ & .096 \end{aligned}$ | $\begin{aligned} & .110 \\ & .121 \\ & \hline \end{aligned}$ | $\begin{aligned} & .136 \\ & .137 \\ & .127 \end{aligned}$ | $\begin{aligned} & .153 \\ & .154 \\ & .142 \end{aligned}$ | $\begin{aligned} & .170 \\ & .171 \\ & .158 \end{aligned}$ | $\begin{aligned} & .186 \\ & .189 \\ & .175 \end{aligned}$ |
| $\begin{aligned} & \hline 8 \\ & 9 \\ & 0 \end{aligned}$ | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & \hline .069 \\ & .069 \\ & .069 \end{aligned}$ | $\begin{aligned} & .077 \\ & .077 \\ & .076 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline .085 \\ .085 \\ \hline .085 \\ \hline \end{array}$ | $\begin{aligned} & .094 \\ & .096 \\ & .095 \end{aligned}$ | $\begin{aligned} & .102 \\ & .102 \\ & .103 \\ & \hline \end{aligned}$ | $\begin{aligned} & .120 \\ & .121 \\ & .119 \end{aligned}$ | $\begin{aligned} & .135 \\ & .136 \\ & .136 \end{aligned}$ | $\begin{aligned} & .154 \\ & .155 \\ & .154 \end{aligned}$ | $\begin{aligned} & \hline .170 \\ & .170 \\ & .171 \end{aligned}$ | $\begin{aligned} & .186 \\ & .189 \\ & .189 \end{aligned}$ |
| + | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & .023 \\ & .023 \\ & .056 \end{aligned}$ | $\begin{aligned} & \hline .027 \\ & .027 \\ & .063 \\ & \hline \end{aligned}$ | $\begin{aligned} & .030 \\ & .030 \\ & .071 \end{aligned}$ | $\begin{aligned} & \hline .033 \\ & .033 \\ & .077 \\ & \hline \end{aligned}$ | $\begin{aligned} & .036 \\ & .037 \\ & .084 \end{aligned}$ | $\begin{aligned} & \hline .042 \\ & .042 \\ & .098 \end{aligned}$ | $\begin{array}{r} .048 \\ .048 \\ .114 \\ \hline \end{array}$ | $\begin{aligned} & .053 \\ & .054 \\ & .127 \end{aligned}$ | $\begin{aligned} & .060 \\ & .060 \\ & .141 \end{aligned}$ | $\begin{array}{r} .066 \\ .066 \\ .155 \\ \hline \end{array}$ |
| / | $\mathrm{n} / \mathrm{a}$ | n/a | $\begin{aligned} & \hline .030 \\ & .039 \end{aligned}$ | $\begin{aligned} & .034 \\ & .043 \end{aligned}$ | $\begin{aligned} & .037 \\ & .049 \end{aligned}$ | $\begin{aligned} & \hline .042 \\ & .052 \end{aligned}$ | $\begin{aligned} & .045 \\ & .058 \end{aligned}$ | $\begin{aligned} & \hline .053 \\ & .068 \end{aligned}$ | $\begin{aligned} & \hline .061 \\ & \hline .077 \end{aligned}$ | $\begin{aligned} & .068 \\ & .086 \end{aligned}$ | $\begin{aligned} & .076 \\ & .096 \end{aligned}$ | $\begin{aligned} & .083 \\ & .104 \end{aligned}$ |

Note: Minimum distance between characters is critical to legibility and cannot be less than $.015^{\prime \prime}$.

## JB Series Legend Instructions

Note: All gray areas represent printable surfaces.

## AT 4058 Sculptured Cap, Nonilluminated

1 line maximum height $.373^{\prime \prime}$
2 lines maximum height . $172^{\prime \prime}$
Maximum width . $373^{\prime \prime}$


AT4059 and AT4 140
Flat Cap, Nonilluminated or AT4060 Flat Cap, Illuminated
1 line maximum height . $413^{\prime \prime}$
2 lines maximum height .192"
Maximum width .413"


AT4060 Flat Cap, Film Insert Illuminated

1 line maximum height . $330^{\prime \prime}$
2 lines maximum height . 150"
Maximum width . $330^{\prime \prime}$


## AT4076/AT4078 Framed Cap, Illuminated or AT4077/AT4078 Framed Cap, Nonilluminated

Note maximum space available for 1 or 2 line legends. These dimensions must be considered when choosing a font style and size for printable area on cap.*

*Factory assistance available

## AT4 139 Flat Cap, Nonilluminated

1 line maximum height . $334^{\prime \prime}$
2 lines maximum height . 152"
Maximum width $.334^{\prime \prime}$


