## Section Properties \& Ceiling Spans (F-Sections)

SSMA

## Table Notes

1. If present, hems and offsets in flanges are ignored.
2. See page 5 for additional table notes.
3. Effective properties are given as the minimum value for positive or negative bending.

| (Hat) Furring Channel Section Properties (F-Sections) |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Section | $\underset{(\mathrm{ksi})}{ }$ | DesignThickness (in) | Gross Properties |  |  |  |  | Effective Properties |  |  |  |
|  |  |  | Area ( $\mathrm{in}^{2}$ ) | Weight ( $\mathrm{lb} / \mathrm{ft}$ ) | $\begin{gathered} \left.i_{x} x_{4}\right) \\ \left(\mathrm{n}^{2}\right. \end{gathered}$ | $\mathbf{R}_{\mathrm{x}}$ (in) | $\left(i^{y^{4}}\right)$ | $\begin{aligned} & R_{y} \\ & \text { (in) } \end{aligned}$ | $\begin{gathered} \left.i_{1} \mathbf{i n}^{4}\right) \end{gathered}$ | $\begin{gathered} \left.\mathbf{S}^{3} \mathbf{i n}^{3}\right) \end{gathered}$ | $\begin{gathered} \mathrm{m}_{\mathrm{a}} \\ \text { (in-k) } \end{gathered}$ |
| 087F125-18 | 33 | 0.0188 | 0.070 | 0.239 | 0.009 | 0.356 | 0.0354 | 0.710 | 0.0086 | 0.0160 | 0.317 |
| 087F125-27 | 33 | 0.0283 | 0.105 | 0.356 | 0.013 | 0.353 | 0.0528 | 0.710 | 0.0131 | 0.0272 | 0.537 |
| 087F125-30 | 33 | 0.0312 | 0.115 | 0.391 | 0.014 | 0.353 | 0.0580 | 0.710 | 0.0143 | 0.0307 | 0.606 |
| 087F125-33 | 33 | 0.0346 | 0.127 | 0.432 | 0.016 | 0.351 | 0.0641 | 0.710 | 0.0157 | 0.0337 | 0.665 |
| 087F125-43 | 33 | 0.0451 | 0.162 | 0.550 | 0.020 | 0.348 | 0.0817 | 0.711 | 0.0196 | 0.0420 | 0.830 |
| 150F125-18 | 33 | 0.0188 | 0.094 | 0.320 | 0.031 | 0.575 | 0.0467 | 0.705 | 0.0299 | 0.0344 | 0.679 |
| 150F125-27 | 33 | 0.0283 | 0.140 | 0.477 | 0.046 | 0.572 | 0.0697 | 0.705 | 0.0459 | 0.0569 | 1.125 |
| 150F125-30 | 33 | 0.0312 | 0.154 | 0.525 | 0.050 | 0.571 | 0.0767 | 0.705 | 0.0503 | 0.0639 | 1.263 |
| 150F125-33 | 33 | 0.0346 | 0.171 | 0.581 | 0.055 | 0.570 | 0.0848 | 0.705 | 0.0554 | 0.0704 | 1.391 |
| 150F125-43 | 33 | 0.0451 | 0.219 | 0.745 | 0.070 | 0.565 | 0.1087 | 0.705 | 0.0699 | 0.0888 | 1.755 |



## Table Notes

1. Single spans are the minimum span based on moment, shear, web crippling, or deflection.
2. Multiple spans indicate two or more equal and continuous spans with span length measured support to support.
3. Web crippling check is based on $1^{\prime \prime}$ of bearing at end and interior supports.
4. Multiple spans are the minimum span based on moment, shear, web crippling, deflection, combined bending and shear, or combined bending and web crippling.
5. See page 5 for additional table notes.

| (Hat) Furring Channel Allowable Ceiling Spans (F-Sections) - L/240 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Section | $\begin{gathered} \mathrm{Fy} \\ \text { (ksi) } \end{gathered}$ | Spans | 4 psf |  |  | 6 psf |  |  | 13 psf * |  |  |
|  |  |  | Spacing (in) on center |  |  | Spacing (in) on center |  |  | Spacing (in) on center |  |  |
|  |  |  | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 |
| 087F125-18 | 33 | Single Multiple | $\begin{aligned} & 5^{\prime} 2^{\prime \prime} \\ & 6^{\prime} 5^{\prime \prime} \end{aligned}$ | $\begin{gathered} \hline 4^{\prime} 9 " \\ 5^{\prime} 10^{\prime \prime} \end{gathered}$ | $\begin{aligned} & \hline 4^{\prime \prime} 1^{\prime \prime} \\ & 5^{\prime} 1^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 4^{\prime} 6^{\prime \prime} \\ & 5^{\prime} 7^{\prime \prime} \end{aligned}$ | $\begin{aligned} & \hline 4^{\prime} 1 " \\ & 5^{\prime} 1^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 3^{\prime} 7 " \\ & 4^{\prime} 2^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 3^{\prime} 6^{\prime \prime} \\ & 4^{\prime} 0^{\prime \prime} \end{aligned}$ | $\begin{aligned} & \hline 3^{\prime} 2 "_{\prime \prime \prime}^{\prime \prime} \\ & 3^{\prime} 6^{\prime \prime} \end{aligned}$ | $\begin{gathered} 2^{\prime \prime} 9 " \\ 2^{\prime \prime} 10 " \end{gathered}$ |
| 087F125-27 | 33 | Single Multiple | $\begin{aligned} & 6^{\prime} 0^{\prime \prime} \\ & 7^{\prime} 5^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 5^{\prime} 5 " \\ & 6^{\prime} 9 " \end{aligned}$ | $\begin{gathered} 4^{\prime} 9 " \\ 5^{\prime} 10 " \end{gathered}$ | $\begin{aligned} & 5^{\prime} 3 " \\ & 6^{\prime \prime} 6 " \end{aligned}$ | $\begin{gathered} 4^{\prime} 9 " \\ 5^{\prime} 10 " 10 \end{gathered}$ | $\begin{aligned} & 4^{\prime} 2^{\prime \prime} \\ & 5^{\prime} 2^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 4^{\prime} 0^{\prime \prime} \\ & 5^{\prime} 0^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 3^{\prime} 8 " \\ & 4^{\prime \prime} 6 " \end{aligned}$ | $\begin{aligned} & 3^{\prime} 2^{\prime \prime} \\ & 3^{\prime} 8^{\prime \prime} \end{aligned}$ |
| 087F125-30 | 33 | Single Multiple | $\begin{aligned} & 6^{\prime} 2^{\prime \prime} \\ & 7^{\prime} 7^{\prime \prime} \end{aligned}$ | $\begin{gathered} 5^{\prime} 77^{\prime \prime} \\ 6^{\prime} 11^{\prime \prime} \end{gathered}$ | $4^{\prime} 11 "$ | $5^{\prime} 5 "$ | $\begin{aligned} & 4^{\prime} 1^{\prime} 11 "^{\prime \prime} \\ & \hline \end{aligned}$ | $\begin{aligned} & 4^{\prime} 3^{\prime \prime} \\ & 5^{\prime} 3^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 4^{\prime} 2^{\prime \prime} \\ & 5^{\prime} 2^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 3^{\prime} 9 " \\ & 4^{\prime} 8^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 3^{\prime} 4^{\prime \prime} \\ & 3^{\prime} 11^{\prime \prime} \end{aligned}$ |
| 087F125-33 | 33 | Single Multiple | $\begin{aligned} & 6^{\prime} 4^{\prime \prime} \\ & 7^{\prime} 10 " \end{aligned}$ | $\begin{aligned} & 5^{\prime} 9^{\prime \prime} \\ & 7^{\prime} \text { ?" } \end{aligned}$ | $\begin{aligned} & 5^{\prime} 11^{\prime \prime} \\ & 6^{\prime} 3^{\prime \prime} \end{aligned}$ | $\begin{gathered} 5^{\prime} 77^{\prime \prime} \\ 6^{\prime} 10 " \end{gathered}$ | $\begin{aligned} & 5^{\prime} 1^{\prime \prime} \\ & 6^{\prime} 3^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 4^{\prime} 5 \prime \prime \\ & 5^{\prime \prime} 5 \end{aligned}$ | $\begin{aligned} & 4^{\prime} 4 \prime \prime \\ & 5^{\prime} 4^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 3^{\prime} 11^{\prime \prime} \\ & 4^{\prime} 10^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 3^{\prime} 5 \prime \prime \\ & 4^{\prime} 1^{\prime \prime} \end{aligned}$ |
| 087F125-43 | 33 | Single Multiple | $\begin{aligned} & 6^{\prime} 10 " \\ & 8^{\prime} 66^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 6^{\prime} 3^{\prime \prime} \\ & 7^{\prime} 8^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 5^{\prime} 5 \prime \prime \\ & 6^{\prime} 9^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 6^{\prime} 0 " \\ & 7^{\prime} 55^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 5^{\prime} 5 \prime \\ & 6^{\prime \prime} 9^{\prime \prime} \end{aligned}$ | $\begin{gathered} 4^{\prime} 9 " \\ 5^{\prime} 10 " \end{gathered}$ | $\begin{aligned} & 4^{\prime} 7 \prime \prime \\ & 5^{\prime} 9^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 4^{\prime} 2 " 2 " \\ & 5^{\prime} 2^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 3^{\prime} 8^{\prime \prime} \\ & 4^{\prime} 6^{\prime \prime} \end{aligned}$ |
| 150F125-18 | 33 | Single Multiple | $\begin{aligned} & \text { 7' 11" } \\ & 9^{\prime} 99^{\prime \prime} \end{aligned}$ | $\begin{gathered} 7^{\prime} 2^{\prime \prime} \\ 8^{\prime} 10^{\prime \prime} \end{gathered}$ | $\begin{aligned} & 6^{\prime} 3^{\prime \prime} \\ & 7^{\prime} 6^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 6^{\prime} 11^{\prime \prime} \\ & 8^{\prime} 66^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 6^{\prime} 3^{\prime \prime} \\ & 7^{\prime} 6^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 5^{\prime} 6^{\prime \prime} \\ & 6^{\prime} 0^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 5^{\prime} 4^{\prime \prime} \\ & 5^{\prime} 8^{\prime \prime} \end{aligned}$ | $\begin{gathered} 4^{\prime} 10 " \\ 4^{\prime} 99^{\prime \prime} \end{gathered}$ | $\begin{aligned} & 4^{\prime} 2^{\prime \prime} \\ & 3^{\prime} 8^{\prime \prime} \end{aligned}$ |
| 150F125-27 | 33 | Single Multiple | $\begin{gathered} 9^{\prime} 1^{\prime \prime} \\ 11^{\prime \prime} 3^{\prime \prime} \end{gathered}$ | $\begin{gathered} 8^{\prime} 3^{\prime \prime} \\ 10^{\prime \prime} 3^{\prime \prime} \end{gathered}$ | $\begin{gathered} 7^{\prime} 3^{\prime \prime} \\ 8^{\prime} 11^{\prime \prime} \end{gathered}$ | $\begin{aligned} & 7^{\prime} 11^{\prime \prime} \\ & 9^{\prime} 10^{\prime \prime} \end{aligned}$ | $\begin{gathered} 7^{\prime} 3 \\ 8^{\prime} 11^{\prime \prime} \end{gathered}$ | $\begin{aligned} & 6^{\prime} 4 " \\ & 7^{\prime} 10^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 6^{\prime} 2^{\prime \prime} \\ & 7^{\prime} 77^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 5^{\prime} 77^{\prime \prime} \\ & 6^{\prime} 7^{\prime \prime} \end{aligned}$ | $\begin{gathered} 4^{\prime} 10 " \\ 5^{\prime} 44^{\prime \prime} \end{gathered}$ |
| 150F125-30 | 33 | Single Multiple | $\begin{gathered} 9^{\prime} 5^{\prime \prime} \\ 11^{\prime \prime} 7 \end{gathered}$ | $\begin{gathered} 8^{\prime} 6^{\prime \prime} \\ 10^{\prime} 6^{\prime \prime} \end{gathered}$ | $\begin{aligned} & 7^{\prime} 5 \prime \prime \\ & 9^{\prime} 2^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 8^{\prime} 2^{\prime \prime \prime} \\ & 10^{\prime} 2 " \end{aligned}$ | $\begin{aligned} & 7^{\prime} 5 \prime \prime \\ & 9^{\prime} 2^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 6^{\prime} 6^{\prime \prime} \\ & 8^{\prime} 0^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 6^{\prime} 4^{\prime \prime} \\ & 7^{\prime} 10^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 5^{\prime} 9 \\ & 7^{\prime \prime} 0 \end{aligned}$ | $\begin{aligned} & 5^{\prime} 0 " \\ & 5^{\prime} 8^{\prime \prime} \end{aligned}$ |
| 150F125-33 | 33 | Single Multiple | $\begin{gathered} 9^{\prime} 8^{\prime \prime} \\ 12^{\prime} 0 \end{gathered}$ | $\begin{gathered} 8^{\prime} 10 " \\ 10^{\prime} 11 " \end{gathered}$ | $\begin{aligned} & 7^{\prime} 8^{\prime \prime} \\ & 9^{\prime} 66^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 8^{\prime} 6^{\prime \prime} \\ & 10^{\prime} 6 " \end{aligned}$ | $\begin{aligned} & 7^{\prime} 8^{\prime \prime} \\ & 9^{\prime} 6^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 6^{\prime} 9 \prime \prime \\ & 8^{\prime \prime} 4 \prime \prime \end{aligned}$ | $\begin{aligned} & 6^{\prime} 6 " \\ & 8^{\prime} 11^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 5^{\prime} 11^{\prime \prime} \\ & 7^{\prime} 4^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 5^{\prime} 2^{\prime \prime} \\ & 6^{\prime} 0^{\prime \prime} \end{aligned}$ |
| 150F125-43 | 33 | Single Multiple | $\begin{aligned} & 10^{\prime} 6^{\prime \prime \prime} \\ & 13^{\prime} 0 \end{aligned}$ | $\begin{aligned} & 9^{\prime} 6^{\prime \prime} \\ & 11^{\prime \prime} 9 \\ & \hline \end{aligned}$ | $\begin{gathered} 8^{\prime} 4^{\prime \prime} \\ 10^{\prime \prime} 3 \\ \hline \end{gathered}$ | $\begin{gathered} 9^{\prime} 2^{\prime \prime \prime} \\ 11^{\prime \prime} 4^{\prime \prime} \\ \hline \end{gathered}$ | $\begin{gathered} 8^{\prime} 4^{\prime \prime} \\ 10^{\prime \prime} 3 \\ \hline \end{gathered}$ | $\begin{aligned} & 7^{\prime} 3^{\prime \prime} \\ & 9^{\prime} 0^{\prime \prime} \\ & \hline \end{aligned}$ | $\begin{aligned} & 7^{\prime} 1 " 1 \\ & 8^{\prime} 9 \end{aligned}$ | $\begin{aligned} & 6^{\prime} 5^{\prime \prime \prime} \\ & 8^{\prime \prime} 0^{\prime \prime} \\ & \hline \end{aligned}$ | $\begin{aligned} & 5^{\prime} 77^{\prime \prime} \\ & 6^{\prime} 8^{\prime \prime} \end{aligned}$ |


| (Hat) Furring Channel Allowable Ceiling Spans (F-Sections) - L/360 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Section | $\begin{gathered} \text { Fy } \\ \text { (ksi) } \end{gathered}$ | Spans | 4 psf |  |  | 6 psf |  |  | 13 psf * |  |  |
|  |  |  | Spacing (in) on center |  |  | Spacing (in) on center |  |  | Spacing (in) on center |  |  |
|  |  |  | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 |
| 087F125-18 | 33 | Single Multiple | $\begin{aligned} & 4^{\prime} 6^{\prime \prime \prime} \\ & 5^{\prime} 7^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 4^{\prime} 1^{\prime \prime} \\ & 5^{\prime} 1^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 3^{\prime} 7^{\prime \prime} \\ & 4^{\prime} 55^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 4^{\prime} 0 " \\ & 4^{\prime} 11^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 3^{\prime} 7^{\prime \prime} \\ & 4^{\prime} 5^{\prime \prime} \end{aligned}$ | $\begin{gathered} 3^{\prime} 2^{\prime \prime} \\ 3^{\prime} 11^{\prime \prime} \end{gathered}$ | $\begin{aligned} & 3^{\prime} 1 " \\ & 3^{\prime \prime} 9^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 2^{\prime} 9^{\prime \prime} \\ & 3^{\prime} 5{ }^{\prime \prime} \end{aligned}$ | $\begin{gathered} 2^{\prime} 5^{\prime \prime} \\ 2^{\prime} 10 " \end{gathered}$ |
| 087F125-27 | 33 | Single Multiple | $\begin{aligned} & 5^{\prime} 3^{\prime \prime} \\ & 6^{\prime} 66^{\prime \prime} \end{aligned}$ | $4^{\prime} 9 "$ $5^{\prime} 10 "$ | $\begin{aligned} & 7 \\ & 4^{\prime} 2^{\prime \prime} \\ & 5^{\prime} \text { 2" } \end{aligned}$ | $\begin{aligned} & 4^{\prime} 7 \prime \prime \\ & 5^{\prime} 8^{\prime \prime} \end{aligned}$ | $4^{\prime} 2^{\prime \prime}$ | $\begin{aligned} & 3^{\prime} 7 " \\ & 4^{\prime} 6^{\prime \prime} \end{aligned}$ | $\begin{aligned} & 3^{\prime} 6^{\prime \prime} \\ & 4^{\prime} 4^{\prime \prime} \end{aligned}$ | $3^{\prime} 2^{\prime \prime}$ | $\begin{aligned} & 2^{\prime} 10 " 1 \\ & 3^{\prime} 6^{\prime \prime \prime} \end{aligned}$ |
| 087F125-30 | 33 | Single | $5^{\prime} 5{ }^{\prime \prime}$ | 4' 11" | 4' ${ }^{\prime \prime}$ | 4'8" | $4^{\prime} 3^{\prime \prime}$ | 3' 9" | 3' 8" | $3^{\prime} 4$ | $2^{\prime} 11{ }^{\prime \prime}$ |
|  |  | Multiple | 6' 8" | $6^{\prime} 1$ " | $5^{\prime} 3$ " | $5{ }^{\prime} 10$ " | $5{ }^{\prime \prime}$ | $4^{\prime} 7{ }^{\prime \prime}$ | 4'6" | $4^{\prime} 1$ " | 3'7" |
| 087F125-33 | 33 | Single | $5^{\prime} 7{ }^{\prime \prime}$ | 5'1" | $4^{\prime} 5{ }^{\prime \prime}$ | 4' 10" | $4^{\prime} 5{ }^{\prime \prime}$ | 3' 10" | 3'9" | 3' 5" | 3'0" |
|  |  | Multiple | $6^{\prime} 10$ " | $6^{\prime} 3$ " | $5^{\prime} 5{ }^{\prime \prime}$ | 6'0" | 5' 5" | 4'9" | 4'8" | $4{ }^{\prime} 3^{\prime \prime}$ | 3' 8" |
| 087F125-43 | 33 | Single | $6^{6} 0{ }^{\prime \prime}$ | $5^{\prime} 5{ }^{\prime \prime}$ | 4'9" | 5'3" | 4'9" | $4^{\prime} 2^{\prime \prime}$ | $4^{\prime} 0 \prime \prime$ | 3' 8" | 3' 2 " |
|  |  | Multiple | $7{ }^{\prime \prime}$ | $6^{\prime} 9$ | $5^{\prime} 10{ }^{\prime \prime}$ | $6^{\prime} 6{ }^{\prime \prime}$ | $5{ }^{\prime} 10{ }^{\prime \prime}$ | $5^{\prime} 2$ " | 5'0" | 4'6" | $4{ }^{\prime} 0$ |
| 150F125-18 | 33 | Single | $6^{\prime} 111^{\prime \prime}$ | $6^{6} 3^{\prime \prime}$ | $5^{\prime} 6^{\prime \prime}$ | $6^{\prime} 0 \prime 0$ $7^{\prime \prime} 5^{\prime \prime}$ | $5{ }^{\text {5 }}$ 6" | 4'9" | $4 \times 8 \prime 8$ $5^{\prime \prime} 8^{\prime \prime}$ | $4^{\prime} 3^{\prime \prime \prime}$ | $3 ' 818$ <br> 318 <br> 18 |
|  |  | Multiple | $8^{\prime} 6^{\prime \prime}$ | 7'9" | $6^{\prime} 9$ 9" | 7'5" | 6'9" | $5^{\prime} 11{ }^{\prime \prime}$ | 5' 8" | 4'9" | $3^{\prime} 8{ }^{\prime \prime}$ |
| 150F125-27 | 33 | Single | $7^{\prime} 111^{\prime \prime}$ | 7'3" | 6'4" | $6^{\prime} 111^{\prime \prime}$ | $6^{6} 44^{\prime \prime}$ | 5'6" | 5'4" | $4^{\prime} 10$ " | 4'3" ${ }^{\text {² }}$ |
|  |  | Multiple | 9'10" | 8'11" | 7' 10" | 8'7" | 7' 10" | $6^{\prime} 10 "$ | $6^{\prime} 8$ " | $6^{6} 0 \prime \prime$ | $5{ }^{3}{ }^{\prime \prime}$ |
| 150F125-30 | 33 | Single | $8^{\prime} 2^{\prime \prime}$ | 7'5" | $6^{\prime} 6^{\prime \prime}$ | 7' 2" | $6^{\prime} 6{ }^{\prime \prime}$ | $5{ }^{\text {' }} 8$ | 5' 6" | $5{ }^{\circ} 0$ | $4^{\prime} 5$ " |
|  |  | Multiple | $10^{\prime} 2^{\prime \prime}$ | 9'2" | $8^{\prime} 0^{\prime \prime}$ | $8^{\prime} 10$ " | $88^{0} 0$ | 7'0" | $6^{\prime} 10 \prime$ | $6^{\prime} 3$ " | 5'5" |
| 150F125-33 | 33 | Single | $8^{\prime} 6^{\prime \prime}$ | 7' ${ }^{\prime \prime}$ | $6^{\prime} 919$ | 7'5" | $6^{\prime} 9$ 9" | 5' 10" | 5' 9" | 5' 2" | 4'6" |
|  |  | Multiple | 10'6" | 9'6" | $8^{\prime} 4^{\prime \prime \prime}$ | $9^{\prime \prime} 2^{\prime \prime}$ | 8'4" | 7'3" | 7'1" | $6^{\prime} 5{ }^{\prime \prime}$ | $5^{\prime} 7{ }^{\prime \prime}$ |
| 150F125-43 | 33 | Single Multiple | $\begin{gathered} 9^{\prime} 2^{\prime \prime} \\ 11^{\prime \prime} 4^{\prime \prime} \end{gathered}$ | $\begin{gathered} 8^{\prime} 4^{\prime \prime} \\ 10^{\prime \prime} 3^{\prime \prime} \end{gathered}$ | $\begin{aligned} & 7^{\prime \prime} 3^{\prime \prime} \\ & 9^{\prime} 0 " \end{aligned}$ | $\begin{gathered} 8^{\prime} 0 " \\ 9^{\prime} 11 " \end{gathered}$ | $\begin{aligned} & 7^{\prime \prime} 3 " \\ & 9^{\prime} 0 " \end{aligned}$ | $\begin{gathered} 6^{\prime} 4^{\prime \prime} \\ 7^{\prime} 10 " \end{gathered}$ | $\begin{aligned} & 6^{\prime} 2^{\prime \prime} \\ & 7^{\prime} 88^{\prime \prime} \end{aligned}$ | $\begin{gathered} 5^{\prime} 7 " \\ 6^{\prime} 11^{\prime \prime} \end{gathered}$ | $\begin{aligned} & 4^{\prime} 11 " \\ & 6^{\prime} 11^{\prime \prime} \end{aligned}$ |

