

## Recommended Wire Diameters

Based on experience in preferred wire diameters for various screen openings, we recommend the following sizes:

| CLEAR OPENING    | LIGHT                | MEDIUM             | HEAVY                       |
|------------------|----------------------|--------------------|-----------------------------|
| 1/16" (.063)     | #20 (.035)           | #18 (.047)         | #16 (.063)                  |
| 3/32" (.093)     | #20 (.035)           | <b>#18 (.047)</b>  | #16 (.063)                  |
| 1/8" (.125)      | <b>#16 (.063)</b>    | <b>#14 (.080)</b>  | <b>#12 (.105)</b>           |
| 5/32" (.156)     | <b>#16 (.063)</b>    | <b>#14 (.080)</b>  | #11 (.120)                  |
| 3/16" (.188)     | <b>#16 (.063)</b>    | <b>(#14)*</b>      | <b>#13 (.063)</b>           |
| 7/32" (.218)     | #14 (.80)            | #12 (.105)         | #10 (.135)                  |
| 1/4" (.250)      | <b>#13 (.092)</b>    | <b>(#12)*</b>      | # 8 (.162)                  |
| 5/16" (.31)      | <b>#12 (.105)</b>    | <b>(#11)*</b>      | # 6 (.192)                  |
| 3/8" (.375)      | <b>#12 (.105)</b>    | <b>(#10)*</b>      | # 6 (.192)                  |
| 7/16" (.438)     | <b>#10 (.135)</b>    | # 8 (.162)         | # 6 (.192)                  |
| 1/2" (.500)      | <b>#11 (.120)</b>    | <b>(# 8)*</b>      | <b># 6 (.192)</b>           |
| 9/16" (.563)     | # 8 (.162)           | <b>(# 7)*</b>      | # 3 (.244)                  |
| 5/8" (.625)      | <b># 8 (.162)</b>    | # 6 (.192)         | <b># 4 (.225)</b>           |
| 3/4" (.750)      | <b># 8 (.162)</b>    | <b>(# 6)*</b>      | 3/8" (.375)                 |
| 7/8" (.875)      | <b># 6 (.192)</b>    | <b>(# 4)*</b>      | 3/8" (.375)                 |
| 1" (1.00)        | <b># 6 (.192)</b>    | # 3 (.244)         | <b>(5/16")* 3/8" (.375)</b> |
| 1 - 1/8" (1.125) | <b># 3 (.244)</b>    | 5/16" (.313)       | <b>3/8" (.375)</b>          |
| 1 - 1/4" (1.250) | <b># 3 (.244)</b>    | <b>(5/16")*</b>    | 3/8" (.375)                 |
| 1 - 3/8" (1.375) | # 3 (.244)           | 3/8" (.375)        | 1/2" (.500)                 |
| 1 - 1/2" (1.500) | <b># 3 (.244)</b>    | <b>(5/16")*</b>    | 3/8" (.375)                 |
| 1 - 5/8" (1.625) | <b>5/16" (.313)*</b> | 3/8" (.375)        | 1/2" (.500)                 |
| 1 - 3/4" (1.750) | <b>5/16" (.313)</b>  | 3/8" (.375)        | 5/8" (.625)                 |
| 2.0"             | <b>5/16" (.313)</b>  | 3/8" (.375)        | 5/8" (.625)                 |
| 2 - 1/4" (2.250) | 5/16" (.313)         | 3/8" (.375)        | 5/8" (.625)                 |
| 2 - 1/2" (2.500) | <b>3/8" (.375)</b>   | <b>1/2" (.500)</b> | 3/4" (.750)                 |
| 2 - 3/4" (2.750) | 3/8" (.375)          | 1/2" (.500)        | 3/4" (.750)                 |
| 3.0"             | <b>3/8" (.375)</b>   | <b>1/2" (.500)</b> | 3/4" (.750)                 |
| 3 - 1/4" (3.250) | 3/8" (.375)          | 1/2" (.500)        | 3/4" (.750)                 |
| 3 - 1/2" (3.500) | 3/8" (.375)          | <b>1/2" (.500)</b> | 3/4" (.750)                 |
| 3 - 3/4" (3.750) | 3/8" (.375)          | 1/2" (.500)        | 3/4" (.750)                 |
| 4.0"             | <b>1/2" (.500)</b>   | <b>5/8" (.625)</b> | 3/4" (.750)                 |
| 5.0"             | <b>1/2" (.500)</b>   | 5/8" (.625)        | 3/4" (.750)                 |
| 6.0"             | 1/2" (.500)          | 5/8" (.625)        | <b>3/4" (.750)</b>          |

*All sizes shown in **RED** are kept in stock for immediate shipment*

### Butted Screens

When screen sections are butted with no overlap, we fabricate end wire so that the length of the trimmed ends does not exceed 1/2 the specified screen opening.

This prevents oversized material from passing through the screen at the seam.

### Shallow Crimp tensioning

To lengthen wear life of crimped screens, we fabricate hooked edges so that clamping tension will be on the shallow crimped wires, not on the deep crimped wires.

This reduces flexing and vibration, and provides a flatter wearing surface. It is possible to fabricate screens this way for most applications.

The result is much longer screen life.

\* Western United States