### DIY Chain Link Fence Planning and Purchasing

**MATERIALS CHECKLIST**

- **FABRIC** - 50 per roll
- **LEVEL**
- **STRING LINE** = 4 in.
- **STAKES**
- **STRAINER**
- **TENSION BAND**
- **TENSION BAR**
- **TIP HANG FENCE FABRIC**
- **TOP RAIL**
- **TENSION FORK LATCH**

**LINE POST SPACING CHART**

<table>
<thead>
<tr>
<th>Fence Length</th>
<th>Line Post Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 ft. - 10 ft.</td>
<td>32 ft. - 8 ft.</td>
</tr>
<tr>
<td>50 ft. - 10 ft.</td>
<td>40 ft. - 10 ft.</td>
</tr>
<tr>
<td>60 ft. - 10 ft.</td>
<td>47 ft. - 9 ft. 5 in.</td>
</tr>
<tr>
<td>70 ft. - 10 ft.</td>
<td>50 ft. - 10 ft.</td>
</tr>
<tr>
<td>80 ft. - 10 ft.</td>
<td>54 ft. - 9 ft.</td>
</tr>
<tr>
<td>90 ft. - 10 ft.</td>
<td>58 ft. - 9 ft. 8 in.</td>
</tr>
<tr>
<td>100 ft. - 10 ft.</td>
<td>66 ft. - 9 ft. 5 in.</td>
</tr>
<tr>
<td>110 ft. - 10 ft.</td>
<td>73 ft. - 9 ft. 2 in.</td>
</tr>
<tr>
<td>120 ft. - 10 ft.</td>
<td>80 ft. - 9 ft. 9 in.</td>
</tr>
<tr>
<td>130 ft. - 10 ft.</td>
<td>85 ft. - 9 ft. 6 in.</td>
</tr>
<tr>
<td>140 ft. - 10 ft.</td>
<td>90 ft. - 9 ft. 9 in.</td>
</tr>
<tr>
<td>150 ft. - 10 ft.</td>
<td>95 ft. - 9 ft. 6 in.</td>
</tr>
</tbody>
</table>

**INSTALL TOP RAIL**

1. Use a string line to mark the distance between the terminal posts. Align the top rail and mark with a level. (FIG. 9)
2. Connect the top rail to the terminal posts. Install the line post caps (A & B). They are set with the flat side toward the outside of the fence and the threads toward the inside. (FIG. 4)
3. Place the threaded ends of the top rail (C) into the terminal posts (D). Pull down the string line to ensure the posts are level. (FIG. 10)
4. Fasten the fabric with tie wires, spaced approximately 12 in. apart on line posts and 24 in. apart on top rail. Proceed to tighten all nuts & bolts. (FIG. 10)

**INSTALL SIDE FENCE FABRIC**

1. Remove end wire from both sets together with the wire you just removed. (FIG. 10)
2. Separate fabric at seam and fashion until it comes completely apart. (FIG. 10)
3. After spreading framework, install fence fabric on top of line and top rail. (FIG. 10)
4. Slide the fabric over the line post and fasten with tension bar. (FIG. 10)
5. Fasten Fabric:
   - Drive the threads on the rail end turned up at a 45 degree angle, place top rail into rail end cup (D) and mark post. (Height of fence + 2 in. to the height of the fence fabric and mark post. (Height of fence + 2 in.)
   - Use a level to ensure posts surround the posts. Use a level to ensure posts are plumb. Adjust alignment as necessary. (FIG. 3)

**FENCING TIPS & TERMINAL POSTS**

- Terminal posts are also referred to as Corner posts, End posts and Gate posts.
- Use a level to ensure posts are plumb. Adjust alignment as necessary. (FIG. 3)
- Do not spread or distort bands. The tension bands (flat side out) should be spaced evenly. (FIG. 3)
- Do not fasten the top rail to the terminal post. Install the line post caps (A & B). They are set with the flat side toward the outside of the fence and the threads toward the inside. (FIG. 4)
- Fasten the fabric with tie wires, spaced approximately 12 in. apart on line posts and 24 in. apart on top rail. (FIG. 10)
- Proceed to tighten all nuts & bolts. (FIG. 10)

**FABRIC & TERMINAL POSTS**

- The fabric should be stretched from the terminal post already attached, toward the opposite terminal post. Insert tension bar approximately 5 ft. from the terminal post. (FIG. 6)
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- Fasten the fabric with tie wires, spaced approximately 12 in. apart on line posts and 24 in. apart on top rail. (FIG. 10)
- Proceed to tighten all nuts & bolts. (FIG. 10)

**TENSION/BAND TERMINAL POSTS**

- Terminal posts are divided into two sets. A top set which fastens the fabric to the top rail and a bottom set which fastens the fabric to the ground. (FIG. 10)
- Tension bar approximately 5 ft. from the terminal post. (FIG. 6)
- The tension bands (flat side out) should be spaced evenly. (FIG. 3)
- Do not spread or distort bands. The tension bands (flat side out) should be spaced evenly. (FIG. 3)
- Do not fasten the top rail to the terminal post. Install the line post caps (A & B). They are set with the flat side toward the outside of the fence and the threads toward the inside. (FIG. 4)
- Fasten the fabric with tie wires, spaced approximately 12 in. apart on line posts and 24 in. apart on top rail. (FIG. 10)
- Proceed to tighten all nuts & bolts. (FIG. 10)