How Can I **Identify The Correct V-Belt Type** When The Belt Is Broken Or No Longer Labeled?

Identifying a replacement belt is something you can do quite **easily and quickly**. The information below details the process.

- **STEP 1 - Identify The Cross Section**

  V-belt cross sections can be identified by their top width and depth dimensions. For example, a v-belt with a top width of 21/32” and a depth of 7/16” is a “B” belt. You can also use our Browning Belt Rule that includes a gauge to help easily identify belt type.

  ![](image)

  **Identification Chart**

<table>
<thead>
<tr>
<th>Belt Type</th>
<th>Top Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>3L</td>
<td>3/8”</td>
<td>7/32”</td>
</tr>
<tr>
<td>4L</td>
<td>1/2”</td>
<td>5/16”</td>
</tr>
<tr>
<td>5L</td>
<td>21/32”</td>
<td>3/8”</td>
</tr>
<tr>
<td>A</td>
<td>1/2”</td>
<td>5/16”</td>
</tr>
<tr>
<td>B</td>
<td>21/32”</td>
<td>7/16”</td>
</tr>
<tr>
<td>C</td>
<td>7/8”</td>
<td>17/32”</td>
</tr>
<tr>
<td>3V</td>
<td>3/8”</td>
<td>5/16”</td>
</tr>
<tr>
<td>5V</td>
<td>5/8”</td>
<td>17/32”</td>
</tr>
<tr>
<td>8V</td>
<td>1”</td>
<td>29/32”</td>
</tr>
</tbody>
</table>

  *(May Vary Slightly By Manufacturer)*

- **STEP 2 - Determine If The V-belt Is Wrapped Or Notched Style**

  If the belt you have is “notched” add an “X” to the type. Example. If you identified a B belt type from Step 1, then you simply add an “X” to the description. You now have a “BX”.

![](image)
**STEP 3 - Determine V-belt Length**

Using the Browning Belt Rule is the easiest way to identify belt length.

However, if you are without a rule or the length exceeds the Belt Rule capacity, simply follow the formula below.

\[
L = 2C + 1.57(D + d)
\]

**Calculation**

\[
L = 2(28) + 1.57(12 + 6)
\]

\[
L = 56 + 1.57(18)
\]

\[
L = 56 + 28.26
\]

\[
L = 84.26
\]

**Solution** = 84” belt

Using the information from Step 1 and 2 we determined that we had a “B” section in the notched style “X” or combined a “BX” belt. Simply add the length from Step 3 and you have the required size. Your belt has been identified as a BX84.

_Special Note: Always Follow All Safety and Lock Out Tag Out Procedures_

**FINAL NOTE**

The above manual length calculation is based on typical applications without idlers.