**416 Barrett**

Country of Origin: US

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**Alternative Names:** 10.4 x 83

**CARTRIDGE MAXI**

<table>
<thead>
<tr>
<th>Lengths</th>
<th>CHAMBER MINI</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1 (\dagger)</td>
<td>63.74 -0.20</td>
</tr>
<tr>
<td>L2 (\dagger)</td>
<td>71.15 -0.20</td>
</tr>
<tr>
<td>L3 (\dagger)</td>
<td>83.06</td>
</tr>
<tr>
<td>L4</td>
<td></td>
</tr>
<tr>
<td>L5</td>
<td></td>
</tr>
<tr>
<td>L6</td>
<td>118.11</td>
</tr>
</tbody>
</table>

**Case Head**

- R = 2.11
- R1 = 20.42
- R2 = 20.42
- R3 = 20.42
- E = 6.22
- E1 = 17.27
- e min = 1.96
- \(\delta\) = 36°
- f = 0.69
- \(\beta\) = 45°

**Powder Chamber**

- P1 \(\dagger\) = 20.40
- P2 \(\star\) = 18.54 -0.20

**Junction Cone**

- \(\alpha\) \(\star\) = 50°
- \(S\) \(\star\) = 83.62
- r1 min =
- r2 =

**Collar**

- H1 \(\star\) = 11.63
- H2 \(\dagger\) = 11.63

**Projectile**

- G1 \(\dagger\) = 10.57
- G2 =
- F =
- L3+G \(\dagger\) = 92.15

**Pressures (Energies)**

**Method Transducer**

- Pmax = 4400 bar
- PK = 5060 bar
- PE = 5500 bar
- M = 25.00
- EE = 14250 Joule

**Miscellaneous Dimensions**

- Fe \(\dagger\) = 0.10
- \(\delta\) L = 0.10

**Breech**

<table>
<thead>
<tr>
<th>Lengths</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td>63.61</td>
</tr>
<tr>
<td>L2</td>
<td>70.94</td>
</tr>
<tr>
<td>L3 (\dagger)</td>
<td>83.44</td>
</tr>
</tbody>
</table>

**Dimensions and Tolerances for Proof Barrels**

see Appendix CR1.

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Notes:

1) Check for safety reasons
3) Headspace on Shoulder
* Basic dimensions

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