### C.I.P. 9 mm Makarov

**Country of Origin:** SU

#### CARTRIDGE MAXI

<table>
<thead>
<tr>
<th>Lengths</th>
<th>CHAMBER MINI</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1 =</td>
<td>L1 = 18.10</td>
</tr>
<tr>
<td>L2 =</td>
<td>L2 =</td>
</tr>
<tr>
<td>L3 ¹ = 18.10</td>
<td>L3 ¹ = 18.10</td>
</tr>
<tr>
<td>L4 =</td>
<td>L4 =</td>
</tr>
<tr>
<td>L5 =</td>
<td>L5 =</td>
</tr>
<tr>
<td>L6 = 25.00</td>
<td>L6 =</td>
</tr>
</tbody>
</table>

**Case Head**
- R = 1.25
- R1 = 9.95
- R3 = |
- E = 3.50
- E1 = 8.55
- e min = 1.00
- δ = 29°15’
- f = 0.60
- β = 45°

**Powder Chamber**
- P1 = 9.95
- P2 = |

**Junction Cone**
- α = |
- S = |
- r1 min = |
- r2 = |

**Collar**
- H1 = |
- H2 ¹ = 9.91

**Projectile**
- G1 ¹ = 9.27
- G2 = |
- F = |
- L3+G ² = 26.40

**Pressures (Energies)**

<table>
<thead>
<tr>
<th>Method Transducer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pmax = 1600 bar</td>
</tr>
<tr>
<td>PK = 1840 bar</td>
</tr>
<tr>
<td>PE = 2080 bar</td>
</tr>
<tr>
<td>M = 10.50</td>
</tr>
</tbody>
</table>

**Miscellaneous Dimensions**

- Fe ¹ = 0.30
- delta L = |

#### Breech

- R = |
- R1 = 10.10
- R2 = |
- R3 = |
- r = |

**Powder Chamber**
- E = 3.80
- P1 ¹ = 10.07
- P2 = |

**Junction Cone**
- α = |
- S = |
- r1 max = |
- r2 = |

**Collar**
- H1 = |
- H2 ¹ = 9.93

**Commencement of Rifling**
- G1 ² = 9.35
- G ² = 8.30
- α1 = 120°
- h ² = 0.17
- s = |
- l ¹ = 1°13’59”
- w = |

**Barrel**
- F ² = 9.00
- Z ² = 9.27

**Grooves**
- b = 4.50
- N = 4
- u = 240.00
- Q = 66.16 mm²

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**Notes:** 1) Check for safety reasons

* Basic dimensions

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Dimensions in << mm >>

Dimensions and Tolerances for Proof Barrels see Appendix CR 1.

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