A base range is defined by a circle centered at point \( \mathbf{b} \) with radius \( 2a_p \). The allowable incisions circle is defined by a circle centered at point \( \mathbf{c} \) with radius \( 2b_p \).

The candidate incisions are points within the allowable incisions circle but not within the base range. The optimal incisions are points within both the candidate incisions and the base range.