Knowns:
$f = 100\ \text{mm}$
$d_o = 103\ \text{mm}$

Find:
d_i

Use lens equation:
$\frac{1}{f} = \frac{1}{d_o} + \frac{1}{d_i}$

$\frac{1}{f} - \frac{1}{d_o} = \frac{1}{d_i}$

$\frac{1}{d_i} = \frac{1}{f} - \frac{1}{d_o} = \frac{1}{100\ \text{mm}} - \frac{1}{103\ \text{mm}} = \frac{0.01}{\text{mm}} - \frac{0.00971}{\text{mm}} = \frac{0.00029}{\text{mm}}$

So
$\frac{1}{d_i} = \frac{0.00029}{\text{mm}}$

which means that

$d_i = \frac{1\ \text{mm}}{0.00029} = 3448\ \text{mm} = 3.45\ \text{m}$

Alternatively, combine by finding common denominator:,
$\frac{1}{d_i} = \frac{1}{f} - \frac{1}{d_o} = \frac{d_o - f}{f \cdot d_o}$

So
$\frac{1}{d_i} = \frac{d_o - f}{f \cdot d_o}$

Which means that
$d_i = \frac{f \cdot d_o}{d_o - f} = \frac{(100\ \text{mm})(103\ \text{mm})}{103\ \text{mm} - 100\ \text{mm}} = \frac{10300\ \text{mm} \cdot \text{mm}}{3\ \text{mm}} = \frac{10300}{3}\text{mm} \approx 3433\ \text{mm} = 3.43\ \text{m}$

Consistent with above to rounding.