### Ball Bearing Manufacturing

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<tr>
<td><strong>Capacity:</strong></td>
<td>0</td>
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<tr>
<td><strong>Plant and machinery cost:</strong></td>
<td>0.00 Lakh</td>
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<tr>
<td><strong>Working Capital:</strong></td>
<td>0.00 Lakh</td>
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<tr>
<td><strong>Rate of return (ROR):</strong></td>
<td>0.00 %</td>
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<tr>
<td><strong>Break Even Point (BEP):</strong></td>
<td>0.00 %</td>
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<tr>
<td><strong>TCI:</strong></td>
<td>0.00 Lakh</td>
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<tr>
<td><strong>Cost of Project:</strong></td>
<td>0.00 Lakh</td>
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A ball bearing is a type of rolling-element bearing that uses balls to maintain the separation between the bearing races. The purpose of a ball bearing is to reduce rotational friction and support radial and axial loads. Ball bearings are rolling element bearings that use balls to separate the bearing races and provide smooth, low friction motion in rotary applications. Ball bearings are manufactured in hundreds of sizes, from the ultra-small 1.50 mm diameter bearing for use with miniaturized medical devices and micro-motors, to bearings over 15 feet in diameter for use in heavy equipment. Manufacturing process involving machining, heat treating, grinding, honing, lapping and assembly. Although there may be variations, the following process applies to the vast majority of standard ball bearings produced today. The growth of the bearings industry is correlated to the growth of the automotive and industrial industries. Moreover, increase in production of commercial vehicles is one of the key drivers of the bearings industry. The global bearings market size was estimated at $78,779 million in 2014. It is estimated to be valued at $140,792 million in 2022, registering a CAGR of 7.5% during the forecast period.

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