



Miniature Bearings Australia

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Bearing Noise Levels



The noise levels of bearings depend essentially on the following factors

- geometric precision and quality of the tracks and balls
- cleanliness of the bearings and the lubricant
- precision with which the play is taken up when mounting the bearings
- value and direction of loads
- rotation speed

Some steps that can be taken in selection of bearings for low noise applications include

- Select a high precision bearing
- Increase the viscosity of the lubricant used
- Select standard clearance (too high clearance can result in impact contacting of the balls on the races, whilst too low clearance may result in squealing due to binding).

