


Anti-Friction Bearing Fundamentals

This course can only be purchased as part of **Industrial Equipment I** bundle



-  Self-paced
-  10 modules
-  2 hours
-  English
-  1-yr access
-  SPC707



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Receive Personal Certificate
to prove your knowledge

Course Objective

*"To give professionals working with industrial systems **a strong fundamental understanding of Cooling Towers and their use.**"*

Program

- Module 1** Introduction
- Module 2** Bearing Functions
- Module 3** Bearing Lubrication
- Module 4** Components
- Module 5** Terminology
- Module 6** Anti-Friction Bearing Types
- Module 7** Ball Bearings
- Module 8** Roller Bearings
- Module 9** Bearing Comparison
- Module 10** Final Thoughts & Refresher Lessons

Results

After this course, you will be able to...

- ✓ Understand cooling tower theory (sensible and latent heat etc.) and how they work (evaporative cooling etc.).
- ✓ Know common cooling tower nomenclature, components and terminology.
- ✓ Know common types of cooling tower (natural, forced and induced) and cooling tower designs (wet, dry, cross-flow, counter-flow, mechanical, natural, direct, indirect).
- ✓ Common cooling tower and HVAC fan designs (axial, cross-flow, centrifugal etc.).
- ✓ Combustion theory (efficiency, heat values etc.).

And much much more!

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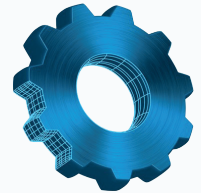
Main Instructor



Jon Russell

Entrepreneur & Engineer, saVRee

Industrial Equipment, Static & Rotating



saVRee exists to help people learn about the fascinating world of engineering. Since opening the website in 2017, they have helped over 25,000 online students increase their engineering knowledge. They have also helped their clients train thousands of their own trainees and apprentices, particularly in the Power Generation, Oil and Gas, Automotive, and Electrical Engineering industries.

Course Summary

Learn about anti-friction bearing components, designs, and applications. Ideal for all engineering industries.

Humans have been using anti-friction bearings (rolling contact bearings) for thousands of years. But what are anti-friction bearings? Why are there so many different types? And why does every engineer need to know a little bit about them?

This course gives you all the fundamental understanding you need about the bearings and can also be used later as a refresher course. Whatever your level of understanding, or engineering background (**mechanical engineering, HVAC, chemical engineering, oil & gas industry, power engineering, etc.**), this course will provide you with a strong understanding of bearings and their details.

Who should attend this course

- All professionals working with rotating equipment or moving parts.

Prerequisites

- An engineering background is beneficial, but is not mandatory.

Level Foundations