

BLUEPRINT READING

DESCRIPTION

Prints are manufacturing instructions and generally contain a drawing, dimensions, and notes. Print Reading is the universal form of communication allowing the engineering department and the manufacturing department to communicate all the information that is needed to manufacture a product. Upon completion of the program, you will have gained a new set of skills for reading engineering prints.

LEARNING OBJECTIVES

- Interpret and describe the technical information provided on industrial prints through drawings, dimensions, and notes.
- Visualize three-dimensional parts from the standard orthographic projections found on prints.
- Navigate the total manufacturing print, including lines, scale, language, symbols, title blocks, and other components.
- Visualize parts from drawings consisting of multiple views, including basic, auxiliary, partial and various types of section views.
- Interpret standard surface finish symbols and screw thread designations.
- Understand drawing features, symbols and notes unique to castings, forgings, and molded part prints

PREREQUISITES

None

INCLUDED IN THE TRAINING:

- 2 Day course (16 hrs.) = 8 hr. / day
- Student exercises
- C. Gillis, Hammer's Blueprint Reading Basics, 4th Edition.
- Certificate of Attendance

COURSE OUTLINE

- The Basics of Manufacturing Prints.
- The Reading of Manufacturing Prints, Types of Drawings and Projection Systems.
- Types of Lines on Drawings, Scale and Notes.
- Orthographic, Auxiliary, Section and Detail Views.
- Arrangements of Dimensions on Drawings.



