

BASICS OF TECHNICAL DRAWING

Summary

Technical representation is an internationally understood means of communication, a means of capturing and communicating ideas for industrial purposes. Changes in the rules of representation have justified the publication of this new book, which provides the student with up-to-date knowledge.

The current book introduces engineering students to the fundamentals of engineering, describing in detail the graphical representations in the plane, and illustrating the steps involved in the construction of plane geometric shapes in projection representation through a series of examples. This is followed by an introduction to the types of views and sections and the rules of representation and scaling.

The most important information on the representation and dimensioning of soluble and non-soluble joints is discussed in detail. A separate chapter is devoted to the definition of surface roughness and tolerances (shape, position,) fits, each of which is illustrated by examples.

The representation and dimensioning of commonly used machine elements (springs, drives, bedding machine elements) are described in detail.

A separate chapter is devoted to the presentation of surface treatments and coatings, and the work concludes with a summary of the knowledge required to draw assembly drawings.

Based on its structure, the book also provides effective support in design tasks.