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Sommario/riassunto

Manual of Engineering Drawing is a comprehensive guide for experts and novices for producing engineering drawings and annotated 3D models that meet the recent BSI and ISO standards of technical product documentation and specifications. This fourth edition of the text has been updated in line with recent standard revisions and amendments. The book has been prepared for international use, and includes a comprehensive discussion of the fundamental differences between the ISO and ASME standards, as well as recent updates regarding legal components, such as copyright, patents, and other legal considerations. The text is applicable to CAD and manual drawing, and it covers the recent developments in 3D annotation and surface texture specifications. Its scope also covers the concepts of pictorial and orthographic projections, geometrical, dimensional and surface tolerancing, and the principle of duality. The text also presents numerous examples of hydraulic and electrical diagrams, applications, bearings, adhesives, and welding. The book can be considered an authoritative design reference for beginners and students in technical product specification courses, engineering, and product designing. Expert interpretation of the rules and conventions provided by authoritative authors who regularly lead and contribute to BSI and ISO committees on product standards; Combines the latest technical information with clear, readable explanations, numerous diagrams and traditional geometrical construction techniquesIncludes new material on patents, copyrights and intellectual property, design for manufacture and end-of-life, and surface finishing considerations.