Record Nr. UNINA9910784458703321 Autore Henzold G Titolo Geometrical dimensioning and tolerancing for design, manufacturing and inspection [[electronic resource]]: a handbook for geometrical product specifications using ISO and ASME standards // Georg Henzold Amsterdam;; Boston;; London,: Butterworth-Heinemann, 2006 Pubbl/distr/stampa **ISBN** 1-280-63619-X 9786610636198 0-08-046378-9 Edizione [2nd ed.] Descrizione fisica 1 online resource (411 p.) Altri autori (Persone) HenzoldG Disciplina 620.0045 Soggetti Tolerance (Engineering) **Engineering drawings** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Previous ed.: published as Handbook of geometrical tolerancing. Oxford: Wiley, 1995. Includes index. Nota di contenuto Front cover; Title page; Copyright page; Table of contents; Preface; Acknowledgements; Notation; Abbreviations; ISO Text Equivalents; New ISO Terminology: 1 Properties of the Surface: 2 Principles for Tolerancing: 3 Principles for Geometrical Tolerancing: 4 Profile Tolerancing; 5 Tolerancing of Cones; 6 Positional Tolerancing; 7 Projected Tolerance Zone; 8 Substitute Elements; 9 Maximum Material Requirement; 10 Envelope Requirement; 11 Least Material Requirement; 12 Tolerancing of Flexible Parts; 13 Tolerance Chains (Accumulation of Tolerances): 14 Statistical Tolerancing 15 Respecting Gometrical Tolerances During Manufacturing16 General Geometrical Tolerances; 17 Tolerancing Principles; 18 Inspection of Geometrical Deviations; 19 Function-, Manufacturing-, and Inspection-Related Geometrical Tolerancing; 20 Examples of Geometrical Tolerancing; 21 Differences Between ISO Standards and Other Standards; 22 Tolerancing of Edges; 23 ISO Geometrical Product

Specifications (GPS), new approach; 24 Synopsis of ISO Standards;

Standards; Publications; Index

Sommario/riassunto

Geometrical tolerancing is used to specify and control the form, location and orientation of the features of components and manufactured parts. This book presents the state of the art of geometrical tolerancing, covers the latest ISO and ANSI/ASME standards and is a comprehensive reference and guide for all professional engineers, designers, CAD users, quality managers and anyone involved in the creation or interpretation of CAD plans or engineering designs and specifications.*For all design and manufacturing engineers working with these internationally required design standard