1. Record Nr. UNINA9910815554703321

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Titolo	Integral mechanical attachment : a resurgence of the oldest method of joining / / Robert W. Messler, Jr
Pubbl/distr/stampa	Amsterdam ; ; Boston, : Butterworth-Heinemann, c2006
ISBN	1-280-64267-X 9786610642670 0-08-046141-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (427 p.)
Disciplina	621.88
Soggetti	Joints (Engineering) Adhesive joints
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front cover; Title page; Copyright; Table of contents; Front matter; Preface; 1 Introduction to Integral Mechanical Attachment; 1.1 The Oldest Method of Joining: Using Natural Shapes and Forms; 1.2 The Process Evolves, But Not Much!; 1.3 Integral Attachment: A Form of Mechanical Joining; 1.4 Integral Mechanical Attachment vs. Mechanical Fastening and Fasteners; 1.5 Advantages of Integral Mechanical Attachment; 1.6 Potential Shortcomings of Integral Attachment; 1.7 Summary; References; 2 Classification and Characterization of Integral Mechanical Attachments; 2.1 Why Classify Things at All? 2.2 Integral Attachment's Place Within the Taxonomy of Joining Processes and Methods2.3 A Classification Scheme for Integral Attachments Based on Feature Character or Operation; 2.4 An Alternative Classification Scheme Based on Method of Feature or Joint Creation; 2.6 Forces and Motions for Assembly of Rigid and Elastic Interlocks; 2.7 Plastic Attachment Methods; 2.8 Attachment Methods Versus Materials: Is It That Simple?; 2.9 Summary; References; 3 Rigid Integral Mechanical Attachments or Interlocks; 3.1 How Rigid Interlocks Work; 3.2 Sub-Classification Schemes for Rigid Interlocks 3.3 Completely Rigid Interlocking Joint Elements or Completely Rigid Joints3.4 Integral Rigid Locking Features; 3.5 Integral Rigid Attachment Features; 3.6 Embedded Rigid Fasteners; 3.7 Rigid Couplings and

Connectors; 3.8 Rigid Locating Features (or Locators) for Elastic Snap-Fit Assembly; 3.9 Joint and Attachment Feature Permanency; 3.10 Summary; References; 4 Elastic Integral Mechanical Attachments or Interlocks; 4.1 How Elastic Interlocks Work; 4.2 Sub-Classification of Elastic Interlocks; 4.3 Elastic Integral Snap-Fits Used in Assembly of Plastic Parts; 4.4 Design Analysis for Snap-Fits
4.5 Combining Assembly Motions for Snap-Fit Assembly Security4.6 Snap-Fit Feature Enhancements; 4.7 Hook-and-Loop Attachments; 4.8 Other Elastic Attachment Methods; References; 5 Plastic (Formed-In) Integral Mechanical Attachments or Interlocks; 5.1 How Plastic (Formed-In) Interlocks Work; 5.2 Sub-Classification of Plastic (Formed-In) Interlocks; 5.3 Setting and Staking; 5.4 Metal Stitching and Metal Clinching; 5.6 Crimping and Hemming; 5.7 Thermal Staking; 5.9 Summary; References; 6 Integral Mechanical Attachment Classification Revisited
6.1 Comparison of Methods: Relative Advantages and Disadvantages6.2 Classification of Integral Mechanical Attachment Methods; 6.3 Correlations Between Joint Materials and Attachment Methods; 6.4 Summary; 7 Metal Attachment Schemes and Attachments; 7.1 Properties of Metals That Facilitate Integral Mechanical Attachment; 7.2 Sheet-Metal Attachment Schemes and Attachments; 7.3 Casting Attachment Schemes and Attachments; 7.4 Extrusion Attachment Schemes and Attachments; 7.5 Forging Attachment Schemes and Attachments; 7.6 Machined Attachments; 7.7 Summary; References; Bibliography
8 Polymer Attachment Schemes and Attachments

Sommario/riassunto

Integral Mechanical Attachment, highlights on one of the world's oldest technologies and makes it new again. Think of buttons and toggles updated to innovative snaps, hooks, and interlocking industrial parts. Mechanical fasteners have been around as long as mankind, but manufacturers of late have been re-discovering their quick, efficient and fail proof advantages when using them as interlocking individual components as compared with such traditional means of joining materials like welding, soldering, gluing and using nuts bolts, rivets and other similar devices. For many years, it