



## SEARCHES AND ADVANCED SEARCHES

### QUICK SEARCH

As seen on the search screen below, enter the search criteria (**FRACTURE MECHANICS**) you desire. Then press enter:

The screenshot shows the top navigation bar with the CRC logo and 'ENGnetBASE Engineering Handbooks Online'. Below this is a blue navigation bar with links for 'Home', 'Contact Us', and 'Price'. The main content area is divided into three sections: 'Search Our Site' with a search input field containing 'fracture mechanics' and a search button; 'Browse by Category' with a list of categories including 'All Categories', 'Aerospace Engineering', and 'Biomedical Engineering'; and 'Electrical E' with a list of sub-categories like 'AC Power Sys' and 'Advanced Sign and Implemen'.



As the system completes the search, you will be given a list of articles that meet your search criteria as shown below.

The screenshot shows the search results page. At the top, it says 'Searched for fracture mechanics and found 46 documents' with a 'New Search' link. Below this, there is a table of search results. The table has columns for '#', 'Hits', 'Document', and 'Book Title'. The first two results are visible:

#	Hits	Document	Book Title
1	80	<a href="#">Chapter 11 - Fracture Mechanics</a>	N/A
2	40	<a href="#">Chapter 04: Adhesion of Solids: Mechanical Aspects</a>	<a href="#">Modern Tribology Handbook, Volumes I &amp; II</a>

The results are displayed in a list, sorted by the number of hits per chapter, relevancy, size of document, and title or date. Once the list is displayed you may click on a draft view of the document in order to assess its relevancy. Once you have found the article of your choosing, you may click on the title and the full chapter will display as a PDF file. The file will look just like the print copy of the book. In addition, you may view the Table of Contents of each book, browse and click on any chapter you wish to view.

The screenshot displays a digital library interface. On the left, a 'Bookmarks' sidebar shows a tree structure for 'The Engineering Handbook' with sub-items like 'Contents', 'Fracture Mechanics', and 'References'. The main content area shows search results for 'Fracture Mechanics', listing chapters 11.1 through 11.5. Below this, a 'Contents' page for 'SECTION I Statics' is shown, listing various topics and authors such as 'Introduction Russell C. Hibbeler' and '1 Force-System Resultants and Equilibrium R. C. Hibbeler'. The interface includes a 'CRCn' logo at the bottom left and a 'Guide' logo at the bottom right.

## ADVANCED SEARCHES

**ADVANCED SEARCHES** gives you the ability to narrow your search with specific parameters chosen by you. As shown on the screen below, select the search parameters that will give you the intended results. You may search either by a single word, phrase, or with Boolean Operators. You may also select specific books you wish to search or select all of them. If you have any questions about the parameters, click on **HELP** and it will review those terms for you. Once you have completed your choices and inserted a search term, click on **SEARCH** for the results.

Home | Contact Us | Price

Search Our Site

Advanced Search

ENGnetBASE Info

- What is ENGnetBASE?
- How it Works
- New Books
- How to Order
- Editors
- Technical

Advanced Search

Search for: fracture mechanics Search Help

Search Types:

Stemming  Phonic  Natural Language

Display:

Display abstract in results: yes  no

Show 500 Best matches

Sort by: Hits In: Descending order

Limit results to 25 documents per page

When the search is complete, it will show results very similar to that of a Quick Search. An added feature to the Advanced Search results is an **ABSTRACT** option as shown below. From here you may navigate through the results just as you do a Quick Search.

Searched for fracture mechanics and found 46 documents  
[New Search](#)

Search Results - 1 to 25  
 << Back 1 2 Next >>

#	Hits	Document	Book Title	Authors	Size
1	80	<a href="#">Chapter 11 - Fracture Mechanics</a> Anderson T. L. " <i>Fracture Mechanics</i> " The Engineering Handbook, Ed. Richard C. Dorf Boca Raton: CRC Press LLC, 2000 11 <i>Fracture Mechanics</i> 11.1 Fundamental Concepts 11.2 The Energy Criterion 11.3 The Stress Intensity Approach 11.4 Time-Dependent Crack Growth and Damage Tolerance 11.5 Effect of Material Properties on Fracture [Ban	N/A	N/A	0.2 MB
2	40	<a href="#">Chapter 04: Adhesion of Solids: Mechanical Aspects</a> 4 Adhesion of Solids: Mechanical Aspects 4.1 Introduction 4.2 Adhesion Forces, Energy of Adhesion, Threshold Energy of Rupture 4.3 <i>Fracture Mechanics</i> and Adhesion of Solids Energy Aspects, Energy Release Rate * Example of the Flat Punch * Mechanical Aspects 4.4 Example: Contact and Adherence of Spheres Hertz Solution * JKR Solution * DMT Solution * JKR-DMT Adhesion of Microcontacts * Co	<a href="#">Modern Tribology Handbook, Volumes I &amp; II</a>	<a href="#">Bharat Bhushan</a>	1.1 MB



CRCnetBASE

User Guide

## REFERENCE REVIEW

You also have the option of viewing a reference book of your choice. The database is broken down into categories as shown below. Once you choose your category of interest (e.g. **CHEMICAL ENGINEERING**) the references associated with that category will be listed.

The screenshot shows the ENGnetBASE website interface. At the top, it says 'CRC Press LLC' and 'Engineering Handbooks Online'. Below that, there are navigation links for 'Home', 'Contact Us', and 'Price'. A search bar is on the left. The main content area is titled 'Browse by Category' and lists various engineering fields. 'Chemical Engineering' is highlighted in red. To the right, a list of books is displayed under the 'Chemical Engineering' heading, including titles like 'Advances in Chemical Propulsion: Science to Technology' and 'Applied Materials Science: Applications of Engineering Materials in Structural, Electronics, Thermal, and Other Industries'.

As you scroll through the list of references, you will find them in alphabetical order according to title. Click on your choice and the following screens of information are available to you, **A SUMMARY**, **FEATURES**, and **TABLE OF CONTENTS**.

The three screenshots show the user's journey through the book's information.   
 (1) Summary page: Shows the book title 'Engineering Handbook, The' by Richard C. Dorf. A 'Read it Online!' link is highlighted with a red arrow.   
 (2) Features page: Lists key features of the book, such as '30 clearly defined sections organized by topic', 'More than 2,200 pages of tables, figures, formulae, definitions, descriptions, references, rule-of-thumb methods and applications, equations, and more', and 'More than 1,500 definitions of engineering terms and more than 1,000 illustrations'.   
 (3) Table of Contents page: Shows the book's structure and authors. 'Read it Online!' and 'Buy it Today!' links are highlighted with red and blue arrows respectively.

(1)

(2)

(3)

At this point you are given the option to **READ THE BOOK ONLINE** or to **PURCHASE** the reference on the CRC Press Website-as shown above <http://www.crcpress.com/>



### VIEWING TIPS

If you would like to increase or decrease the size of the text or read the chapter page in full view, here are a few suggestions:

1) To increase or decrease the size of the text, please click on the down arrow on this icon and make your selection.



2) To view this page in its entirety, click on this icon and it will eliminate the bookmark section to the left of the page. 3) You may also click on the “full page” icon and achieve the same result. You will then be able to view the full page at a higher magnification level. If you would like to adjust the size at this time, click on the down arrow as shown above and make your selection.

**FOR ASSISTANCE:** If you have any questions or need immediate assistance please see your school librarian or corporate network administrator.

The CRCnetBASE complete family of products can be found at:  
<http://www.crcnetbase.com/>