

Dictionary Of Mechanical Engineering

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mechanical engineering The branch of engineering that specializes in the design, production, and uses of machines . The physics of mechanics is widely used in mechanical engineering.

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Less. Over 7,400 entries. This new Dictionary provides definitions and explanations for mechanical engineering terms in the core areas of design, stress analysis, dynamics and vibrations, thermodynamics, and fluid mechanics, in over 7,400 clear and concise A to Z entries, many illustrated. Topics covered include heat transfer, combustion, control, lubrication, robotics, instrumentation, and measurement.

Dictionary of Mechanical Engineering - Oxford Reference

the branch of physics having to do with the mechanical properties of water and other liquids in motion and with the application of these properties in engineering. sanitary engineering aerospace engineering hydraulics.

Mechanical engineering definition and meaning | Collins ...

mechanical engineering definition: 1. the study of the design and production of machines 2. the study of the design and production of.... Learn more.

MECHANICAL ENGINEERING - Cambridge Dictionary

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Definition of mechanical engineering. : a branch of engineering concerned primarily with the industrial application of mechanics and with the production of tools, machinery, and their products. Other Words from mechanical engineering Example Sentences Learn More about mechanical engineering. Keep scrolling for more.

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mechanical engineering- the branch of engineering that deals with the design and construction and operation of machinery applied science, engineering science, technology, engineering- the discipline dealing with the art or science of applying scientific knowledge to practical problems; "he had trouble deciding which branch of engineering to study"

Mechanical engineering - definition of mechanical ...

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Dictionary of Chemical Engineering - Oxford Reference

Mechanical engineering is an engineering branch that combines engineering physics and mathematics principles with materials science to design, analyze, manufacture, and maintain mechanical systems. It is one of the oldest and broadest of the engineering branches.. The mechanical engineering field requires an understanding of core areas including mechanics, dynamics, thermodynamics, materials ...

Mechanical engineering - Wikipedia

Dictionary of Mechanical Engineering covers a wide range of terms related to the subject. The definitions given in the dictionary are authentic and easily graspable. The dictionary also covers the terminology of the rapidly advancing areas of Mechanical Engineering such as Micromachining, Nanotechnology, etc.

Dictionary of Mechanical Engineering - AbeBooks

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Dictionary of Mechanical Engineering - Oxford Reference

the profession of applying scientific principles to the design, construction, and maintenance of engines, cars, machines, etc (mechanical engineering), buildings, bridges, roads, etc (civil engineering), electrical machines and communication systems (electrical engineering), chemical plant and machinery (chemical engineering), or aircraft (aeronautical engineering)

Engineering definition and meaning | Collins English ...

Mechanical engineering is a diverse discipline that encompasses the teaching, practice and leadership of others in the development and application of scientific principles to mechanical systems.

Definition of mechanical engineering - IMechE

What is Mechanical Engineering? One of the most diverse and versatile engineering fields, mechanical engineering is the study of objects and systems in motion. As such, the field of mechanical engineering touches virtually every aspect of modern life, including the human body, a highly complex machine.

What is Mechanical Engineering? | Mechanical Engineering

The branch of engineering that encompasses the generation and application of heat and mechanical power and the design, production, and use of machines and tools.

Mechanical engineer - definition of mechanical engineer by ...

Automotive engineering – Automotive engineering, along with aerospace engineering and marine engineering, is a branch of vehicle engineering, incorporating elements of mechanical, electrical, electronic, software and safety engineering as applied to the design, manufacture and operation of motorcycles, automobiles and trucks and their respective engineering subsystems. It also includes ...

This dictionary includes over 550 new entries on all aspects of mechanical engineering, in the core areas of design, stress analysis, dynamics, thermodynamics, and fluid mechanics, together with newly extended coverage of materials engineering. It is an invaluable guide for students, and for professionals in the field.

A Dictionary of Mechanical Engineering is one of the latest additions to the market leading Oxford Paperback Reference series. In over 8,500 clear and concise alphabetical entries, and with many helpful line drawings, it provides definitions and explanations for mechanical engineering terms in the core areas of design, stress analysis, dynamics and vibrations, thermodynamics, and fluid mechanics. Topics covered include heat transfer, combustion, control, lubrication, robotics, instrumentation, and measurement. Where relevant, the dictionary also touches on related subject areas such as acoustics, bioengineering, chemical engineering, civil engineering, aeronautical engineering, environmental engineering, and materials science. To expand its coverage, the dictionary also lists useful entry-level web links which are regularly updated on a dedicated companion website of the dictionary. Extensively cross-referenced, this excellent new volume is the most comprehensive and authoritative dictionary of its kind. It is an essential reference for students of mechanical engineering and for anyone with an interest in the subject.

with the principles accepted in textbooks on the subject. The key language is English. The English This Dictionary is designed for people who term is followed -by its German, French, Dutch have just started studying mechanical engineering and Russian equivalents, and by an illustration. terms in a foreign language, particularly for those In most cases, this is a simplified drawing of the who have little or no knowledge of either the terms object or a diagram of the process. Sometimes, or their meaning. The latter category of readers other self-explanatory devices are used - mathe may find it useful, in addition to the translation matical signs, chemical formulas or examples of of the term, to have an explanation of its meaning the chemical composition of alloys, as well. In the Dictionary, such explanation is The terms are numbered. The numbers serve, provided by means of internationally accepted first, to relate the term to the drawing, and, second, symbols, formulas, charts, diagrams, plans and they facilitate the fnding of the necessary trans drawings. In this way, illustrations serve as a lation of a term via the alphabetical index. Each universal intermediary between languages. As a number consists of two parts separated by a full rule, the illustration for a term consists of that stop, e. g. 12. 5.

This Dictionary is designed for people who have just started studying mechanical engineering terms in a foreign language, particularly for those who have little or no knowledge of either the terms or their meaning. The latter category of readers may find it useful, in addition to the translation of the term, to have an explanation of its meaning as well. In the Dictionary, such explanation is provided by means of internationally accepted symbols, formulas, charts, diagrams, plans and drawings. In this way, illustrations serve as a universal intermediary between languages. As a rule, the illustration for a term consists of that graphic representation which is most frequently used in explaining the term concerned in instructional and technical literature (conventional graphic representation of the term). Apart from being informative, the illustrations also help remember the terms themselves. In the Dictionary, therefore, illustrations are provided even for those terms whose meaning would be understood without the aid of graphic symbols. At the same time, the author had to leave out many terms - even important ones - which do not lend themselves to illustration. The terms are grouped according to subject. This makes it possible to study the terminology pertaining to the subjects which interest the user most. This should also help speed up the assimilation of the terms, since the student will be able to remember a group of terms pertaining to a common subject. When translating texts from one language into another, one is helped by the alphabetical indexes given at the end of the Dictionary.

When the Late Mr. J.G. Horner compiled the original edition of this work, he aimed at producing a comprehensive dictionary of the general and traditional terms used by draughtsman, pattern-makers, moulders, smiths, boiler-makers, filters, fumers, erectors and engineering storekeepers. The result was more than a dictionary. It might best be described as a condensed encyclopaedia and mechanical engineering practice, with the practical aspects as strongly represented as the theoretical (no doubt as a result of the twenty-seven years of his life which the author had spent on the shop floor).

The Dictionary of Mechanical Engineering provides clearly-written, easy-to-understand definitions for over 4,500 terms.In addition to covering the more traditional areas of the field, this new edition also defines the terminology of the rapidly advancing areas of small size mechanical engineering: micromachining and nanotechnology. Nomenclature used in the manufacture of composites has also been added.Extensively cross-referenced, the Dictionary is an indispensable desk reference for mechanical engineers worldwide.

Defines terms and phrases related to control systems, fluid mechanics, thermodynamics, and aerospace, design, and mechanical engineering

The 10,000 entries (arranged from A to Z) are supplemented by hundreds of figures (approximately 700) & tables (more than 150) that clearly demonstrate the principles & concepts behind important manufacturing processes, illustrate the important structures, or provide representative compositional & property data for a wide variety of ferrous & nonferrous materials, plastics, ceramics, composites (resin-metal-carbon-&-cermaic-matrix) & adhesives. "Technical Briefs" provide encyclopedic-type coverage for some 64 key material groups. Each Technical Brief contains a "Recommended Reading" list to guide the user to additional information. Published by ASM International (tm), Materials Park, OH 44073.

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