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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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.

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

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Mechanical engineering - Wikipedia

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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 ...

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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 f'mding 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.

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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.

This new edition of A Dictionary of Mechanical Engineering provides clear and concise definitions and explanations for over 8,000 mechanical-engineering terms in the core areas of design, stress analysis, dynamics, thermodynamics, and fluid mechanics, together with newly extended coverage of materials engineering. More than 550 new entries have been incorporated into the text, including alloy steels, biomaterials, ceramics, continuum mechanics, conventional drilling, graphene, metallic glasses, superconductivity, and vapour deposition, alongside over 25 additional line drawings and updated web links. It continues to be an indispensable reference for students of mechanical engineering and related disciplines such as aerospace engineering, chemical engineering, and civil engineering, practising engineers, and other professionals needing to understand engineering terms.

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.

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