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CCS D04



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 16414-2008

Replacing GB/T 16414-1996

Terms relating to coal mining - Rock mechanics

煤矿科技术语 岩石力学

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Foreword

This standard replaces GB/T 16414-1996 "coal mine rock mechanics and scientific terms."

This standard and GB/T 16414-1996 compared to the main changes are as follows:

--- Revised Chapter 2 ~ Chapter 5 chapter heading, by deleting the heading "section" word;

--- "Basic terminology" added "surrounding rock deformation, rock (body) inhomogeneity of rock (body) ductile" and other terms;

--- "Coal Face" to increase the "top coal top coal caving top coal caving classification" and other terms;

--- "Burst pressure" to add a "shock rock tendentious stereotypes burst pressure, burst pressure gravity type" and other terms;

--- "Roadway" removed "interim support," adds "bolt axial force, prestressed anchor and anchor rope safety factor" and other terms;

--- On the part of the term of the corresponding English word has been modified;

--- The definition of some of the terms were modified;

--- Position some of the terms have been adjusted. The standard proposed by China Coal Industry Association. This standard by the National Standardization Technical Committee of Coal. This standard was drafted. CCRI Mining Design Research Branch, China Coal Research Institute Detection Research Branch. The main drafters of this standard. Qi Qingxin, Li Jiqing, Pengyong Wei, Fu Jingyu. This standard replaces the standards previously issued as follows:

--- GB/T 16414-1996. Coal Science and Technology Terminology mechanics

1 Scope

GB/T 16414-2008 is the Chinese national standard on terms relating to coal mining - rock mechanics, in the field of generalities, terminology and documentation. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 29 July 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2009.

Classification: ICS 01.040.73, CCS D04. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the basic terminology of coal mine rock mechanics and terminology related to coal mining face, rock burst roadway and the like. This standard applies to documents, rules, standards, books, textbooks and manuals and all other relevant rock mechanics.

2 Basic terms

2.1 Coal Mine Rock (body) deformation and failure regularity and scientific applications in the external force.

2.2 Layered rock (body) deformation and failure regularity and scientific applications in the external force.

2.3 Ground Pressure Caused by the mine excavation project in surrounding rocks redistribution of power.

2.4 Under pressure mine, or surrounding rock support exhibited by various mechanical phenomenon.

2.5 To protect the safety of mine exploitation, artificially controlling and regulating technical measures rock deformation, destruction and movement.

2.6 Rock (body) after removal of the external force can be fully restored to its original state of deformation.

2.7 Rock (body) after removal of the external force deformation can not be restored.

2.8 Compared with rock engineering structure geometry, deformation can not be ignored.

2.9 The nature of the deformation and flow under the external force, temperature, humidity and other conditions associated with the time factor (body) rock.

2.10 Rock (body) physical and mechanical properties as well as components, and other components vary with the spatial location characteristics.

2.11 Rock (body) memory in a variety of fractures and faults and other randomly distributed in different directions so as to have a discontinuous characteristics.

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