

ICS 25.100.50

CCS J 41



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

GB/T 12204-2010

Replacing GB/T 12204-1990

Glossary of general terms in metal cutting

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(English Translation)

Issued on: November 10, 2010

Implemented on: March 1, 2011

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China, Standardization
Administration of the People's Republic of China**

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1 Scope

This standard specifies the basic terms and definitions used in metal cutting, and the symbols for some terms.

This standard applies to standards and books officially published in the metal cutting profession.

2 General terms and their definitions

2.1 Workpiece surface 2.1.1 Worksurface There is a surface to be removed on the workpiece (see Figure 1).

2.1.2

Machined surface

The surface formed by the cutting tool on the workpiece (see Figure 1).

2.1.3

Transition surface

The part of the surface formed by the cutting edge (2.4.1) on the workpiece, which is removed in the next cutting stroke, the next revolution of the tool or the workpiece, or those are cut off by the next cutting edge (2.4.1) (see Figure 1).

2.2 Tool elements

2.2.1

Knife body

The part of the tool holding the blade or blade, or the part where the cutting edge (2.4.1) is formed by it (see Figure 3, Figure 4, Figure 5).

2.2.2

Shank

The clamping part on the tool [see Figure 2a), Figure 4, Figure 5].

2.2.3

Knife hole toolbore