

ICS 77.160
CCS H 70



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

GB/T 2079-2015

**Indexable hard metal (carbide) inserts with rounded corners,
without fixing hole -- Dimensions**
(English Translation)

Issued on: December 10, 2015

Implemented on: July 1, 2016

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine**

Table of Contents

Foreword...	3
1 Scope...	5
2 Normative References...	5
3 Types of Insert...	5
4 Interchangeability...	6
5 Designation and Marking...	7
6 Measurement...	7
7 Recommended Dimension...	7
Appendix A (Informative) Tolerances for d, m and s...	12
Appendix B (Informative) Method of Measurement of "m" Dimension...	13

Foreword

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard replaced GB/T 2079-1987 Indexable Hardmetal (Carbide) Inserts without Hole.

Compared with GB/T 2079-1987, this Standard mainly has the following changes.

--- Change the standard name into Indexable Hardmetal (Carbide) Inserts with

Rounded Corners, without Fixing Hole; Dimensions;

--- Delete the original Chapter 2, 3, 4;

--- Add Chapter 2 "Normative References"; Chapter 3 "Types of Insert"; Chapter

4 "Interchangeability"; Chapter 5 "Designation and Marking"; and Chapter 6

"Measurement";

--- Modify the original Chapter 1 "Model, Dimension and Allowable Deviation"; add

Chapter 7 "Recommended Dimension";

--- Modify the schematic diagram; combine the original Table 1~6 into Table 1 and 2;

only remain the basic dimension; modify the normative tolerance into

recommended tolerance; cancel the dimension specification of the Second Recommended Model SPUN150408;

--- Modify the normative "Appendix A" into informative "Appendix B"; add new "Appendix A", "Appendix C", and "Appendix D";
--- Add the "Bibliography".

This Standard's translation equivalently adopts ISO 883L.2013 Indexable Hardmetal (Carbide) Inserts with Rounded Corners, without Fixing Hole; Dimensions (English Edition).

Chinese documents that have consistent relationship with the international documents in the normative references of this Standard are as follows.

--- GB/T 2075-2007 Classification and Application of Hard Cutting Materials for Metal Removal with Defined Cutting Edges - Designation of The Main Groups and Groups of Application (ISO 513.2004,IDT)
--- GB/T 2076-2007 Indexable Inserts for Cutting Tools - Designation (ISO 1832.2004,MOD)

This Standard was proposed by China Non-Ferrous Metal Industry Association.
Indexable Hardmetal (Carbide) Inserts with Rounded Corners, without Fixing Hole - Dimensions

1 Scope

This Standard specifies the dimensions of indexable hardmetal (carbide) inserts with rounded corners, without fixing hole.

This Standard is applicable to the indexable hardmetal (carbide) inserts with rounded corners, without fixing hole.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

ISO 513 Classification and Application of hard Cutting Materials for Metal
Removal with Defined Cutting Edges - Designation of the Main Groups and
Groups of Application
ISO 1832 Indexable Inserts for Cutting Tools - Designation

3 Types of Insert

The types of indexable hardmetal (carbide) inserts specified in this Standard are the following.

- TN. triangular inserts, with 0° normal clearance;
- TP. triangular inserts, with 11° normal clearance;
- SN. square inserts, with 0° normal clearance;
- SP. square inserts, with 11° normal clearance.

Inserts with 0° normal clearance (TN and SN) are standardized only without chip breakers. Inserts with 11° normal clearance (TP and SP) are provided with and

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