

ICS 17.040.30

CCS J42



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

GB/T 10920-2008

Replacing GB/T 10920-2003

**Types and dimensions of screw thread gauge and plain limit
gauge**

螺纹量规和光滑极限量规 型式与尺寸

Issued on: November 12, 2008

Implemented on: May 1, 2009

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

Table of Contents

1 Scope	1
2 Normative references	1
4 Category 1 5 common thread gauge type and size	2
5.1 locking taper threaded plug	2
5.2 three tooth-lock threaded plug	7
5.3 nested threaded plug	12
5.4 pairs shank threaded plug	14
5.5 Integral threaded ring	18
5.6 pairs shank threaded ring 20 6 trapezoidal thread gauge type and size	22
6.1 locking taper threaded plug	22
6.2 three tooth-lock threaded plug	27
6.3 pairs shank threaded plug	29
6.4 Integral threaded ring	31
6.5 pairs shank threaded ring 33 7 unified thread gauge type and size	35
7.1 locking taper threaded plug	35
7.2 pairs shank threaded plug	40
7.3 Integral threaded ring	41
7.4 pairs shank threaded ring 44 8 smooth limit gauge type and size	46
8.1 pin plug	46
8.2 taper plug gage	47
8.3 three tooth-lock cylinder plug	49
8.4 three tooth-lock part-shaped plug	51
8.5 part-shaped plug	53
8.7 cylindrical ring	55
8.8 Double combination caliper	56
8.9 Single-head dual card ultimate combination of regulation	57
8.10 Double caliper	59
60 Appendix A (normative) plug the probe handle and taper cone hole taper gauges and test methods	63

Foreword

This standard is GB/T 10920-2003 "common thread gauge type and size", GB/T 8125-2004 "trapezoidal Thread Regulation type and size" and GB/T 6322-1986 "smooth limit gauge type and size, "the integration of revised and unified thread Gauge type and size. This standard and GB/T 10920-2003 "common thread gauge type and size" compared to the main changes are as follows:

- Modify the individual locking taper threaded plug gauge the overall size L;
- Modify the nominal diameter of 1mm ~ 3mm locking taper threaded plug structure type and size;
- Increasing the nominal diameter of 105mm ~ double handle threaded plug gauge type and size of 120mm;
- Modify the diameter and pitch series;
- Modify three teeth locking threaded plug gauge the size of the handle;
- Remove the gauge surface roughness of the surface, due to GB/T 3934-2003 "common thread gauge technology" has Provisions. This standard and GB/T 8125-2004 "trapezoidal thread gauge type and size" compared to the main changes are as follows:
- Increasing the overall size of the locking taper threaded plug gauge;
- Modify the individual locking taper threaded plug probe L1, L2 dimensions;
- Increasing the overall size of the three teeth locking threaded plug gauge;
- Modify the nominal diameter 8mm to taper-lock threaded plug probe with matching handle 4 dimensions of 100mm;
- Adds dual shank threaded plug gauge the overall size;
- Modified double shank threaded plug probe structure type figure marked;
- Modified double shank threaded plug probe L dimensions;

1 Scope

GB/T 10920-2008 is the Chinese national standard on types and dimensions of screw thread gauge and plain limit gauge, in the field of metrology and measurement. 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 12 November 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 17.040.30, CCS J42. 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 common thread gauge, unified thread gauge, trapezoidal thread gauge and smooth limit gauge the type and size. This standard applies to GB/T 3934-2003 "common thread gauge technical conditions", GB/T 8124-2004 "trapezoidal Thread Regulatory and technical conditions ", GB/T 1957-2006" smooth limit gauge technology "and JB/T 10865-2008" unified thread gauge " Supporting the use of.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 1957-2006 smooth limit gauge the technical conditions

GB/T 3934-2003 Technical requirements common thread gauge

GB/T 8124-2004 trapezoidal thread gauge technical conditions

GB/T 17163 dimensional measuring instruments - Basic terminology

GB/T 17164 dimensional measuring instruments - Product terms

JB/T 10865-2008 Unified thread gauges

3 Terms and Definitions

GB/T 1957-2006, GB/T 3934-2003, GB/T 8124-2004, GB/T 17163, GB/T 17164, JB/T 10865- Terms and definitions established in 2008 apply to this standard. Category 4

4.1 common thread gauge and type the name of the corresponding nominal diameter range in Table 1.

4.2 trapezoidal thread gauge and type the name of the corresponding nominal diameter range in Table 2.

4.3 Unified thread gauge and type the name of the corresponding nominal diameter range in Table 3.

4.4 smooth limit gauge the type name and the corresponding basic size ranges are shown in Table 4. Table