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

GB/T 22775-2008

Gears for timekeeping instruments - Contrate gears

计时仪器用齿轮 端面齿轮

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Foreword

This standard is based on the original development of light industry standard QB/T 2092-1995 "timing equipment gear face gear" on. Appendix A of this standard is a normative appendix. The standard proposed by China National Light Industry Council. This standard by the National Standardization Technical Committee of the watch. This standard was drafted. Tianjin Seagull Watch Group Co., Ltd., Institute of Light Industry watch. The main drafters of this standard. Ma Guangli, Wang Lixin, Zhou Wenxia, \u200b\u200bKim Young-sook. From the date of implementation of this standard, the original light industry standard QB/T 2092-1995 "timing equipment gear face gear" on its own Abolished. Timing equipment gear face gear

1 Scope

GB/T 22775-2008 is the Chinese national standard on gears for timekeeping instruments - contrate gears, in the field of precision mechanics and jewellery. 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 30 December 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 September 2009. Classification: ICS 39.040.01, CCS Y11. 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 terms, tooth, code and timing equipment face gear parameters. This standard applies to watches, pocket watch dial needle institutions face gear and cylindrical gear, face gear for the active, modulus Gear 0.07mm ~ 1mm vertical axis intersect, gear instrumentation orthogonal axes can also refer to use.

Note. To make a good vice face gear transmission characteristics of the face gear tooth parameters of this standard given in Appendix A cylindrical gear should match use.

2 Terms and definitions

The following terms and definitions apply to this standard.

2.1 Surrounded by the cylindrical surface of the outer ring of the face gear.

2.2 The planes of the tooth top arc through the center of the face gear [the plane perpendicular to the face gear axis line) in Fig. 1c) are shown in Fig. 1b A straight line].

2.3 A specific location in the alveolar symmetrical face gear centerline of [Fig. 1b)].

3 Face gear tooth and code

3.1 toothed configuration Toothed face gear distributed over its outer cylindrical surface, constituted by the space curve. When alveolar symmetrical to the center line of the face gear when [Fig. 1a) and Figure 1b)], in A tooth to tooth projection view from the top of the arc, the arc root and arc tangent connecting addendum and the tooth root arc straight Line constituted.

a) front view Figure 1 and face gear tooth code