

ICS 25.160.10
CCS J 33



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

GB/T 19804-2026

Replacing GB/T 19804-2005

**General tolerances for welded constructions for dimensions of
lengths and angles, shape and position**

焊接结构的一般尺寸公差和形位公差

(English Translation)

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Foreword

GB/T 19804-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 September 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 April 2027.

This edition replaces GB/T 19804-2005.

The document adopts an international standard (ISO or IEC).

It is under the responsibility of the Standardization Administration of China.

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1 Scope

Welded structures need agreed tolerances so that parts from different workshops fit together, and this standard provides general tolerances for welded constructions covering dimensions of length and angle as well as shape and position. Design offices, fabricators, welding shops, quality inspectors and purchasers will use it where drawings do not give individual tolerances for every dimension.

By defining general tolerances, it reduces the amount of detail that has to be written on a drawing and gives both parties a common basis for acceptance checks. It replaces GB/T 19804-2005, which means that drawings that quote the earlier edition by number should be reviewed. The standard adopts an international standard and is a recommended national standard (GB/T). It takes effect on 1 April 2027.