

ICS 43.040.40
CCS T24

QC

**AUTOMOTIVE INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

QC/T 316-2026

Replacing QC/T 316-2017

**Technical requirements and bench testing methods for
automobile service brake fatigue strength**

汽车行车制动器疲劳强度技术要求及台架试验方法

(English Translation)

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Foreword

QC/T 316-2026 is a recommended industry standard of the People's Republic of China in the Automotive sector, approved and issued by the Ministry of Industry and Information Technology on 16 April 2026, with effect from 1 November 2026.

This edition replaces QC/T 316-2017.

Classification: ICS 43.040.40; CCS T24.

1 Scope

QC/T 316-2026 sets out technical requirements and bench testing methods for the fatigue strength of automobile service brakes. The service brake is the main brake used to slow and stop the vehicle in normal driving, and the document covers how its fatigue strength is required to perform and how it is tested on a bench.

It is used by brake manufacturers, automobile makers and their suppliers, and test laboratories. It is a voluntary standard, as the /T in its code shows. It was approved by the Ministry of Industry and Information Technology, issued on 16 April 2026 and takes effect on 1 November 2026. It replaces QC/T 316-2017.