

ICS 25.160.10
CCS J33



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

GB/T 34630.5-2026

Replacing GB/T 34630.5-2017

**Friction stir welding - Aluminium and its alloys - Part 5: Quality
and inspection requirements**

搅拌摩擦焊 铝及铝合金 第5部分: 质量与检验要求

(English Translation)

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Foreword

GB/T 34630.5-2026 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 34630.5-2017.

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

Quality and inspection requirements for friction stir welds in aluminium and its alloys are the subject of Part 5 of this series. The document will be consulted by quality engineers, welding coordinators, inspection and testing organisations, fabricators and customers who need an agreed basis for judging whether welded aluminium products meet expectations.

In practice, such a part sits at the end of the production chain, after joint design and procedure qualification, and defines how the finished welds are evaluated. It is therefore relevant to contract manufacturing and supply relationships where acceptance criteria must be agreed. The standard replaces GB/T 34630.5-2017 and adopts an international standard. It is a recommended national standard (GB/T) and takes effect on 1 April 2027. Agreed criteria reduce disputes at delivery.