

ICS 25.160.10
CCS J33



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

GB/T 34630.4-2026

Replacing GB/T 34630.4-2017

**Friction stir welding - Aluminium and its alloys - Part 4:
Specification and qualification of welding procedures**

搅拌摩擦焊 铝及铝合金 第4部分：焊接工艺规程及评定

(English Translation)

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Foreword

GB/T 34630.4-2026 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 34630.4-2017.

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

Part 4 of the friction stir welding series for aluminium and its alloys is about how welding procedures are specified and qualified. Welding engineers, quality managers, fabricators, third-party inspectors and certification bodies will use it to document a procedure and to demonstrate that it produces acceptable joints before production work starts.

Because friction stir welding is used for components where joint quality is critical, a clear framework for procedure specification and qualification supports consistent results between workshops and customers. The standard replaces GB/T 34630.4-2017, adopts an international standard, and is a recommended national standard (GB/T). It is intended to be used together with the other parts of the series, which cover design of joints and quality and inspection requirements. It becomes effective on 1 April 2027.