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YB

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

YB/T 6369-2025

**Metal Plates - Residual Stress Determination - Crack
Compliance Test
(English Translation)**

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Table of Contents

What this standard covers	1
Document data	2

What this standard covers

This standard specifies the principle, test equipment, test procedure, finite element modeling calculation, deviation analysis, and test report for measuring residual stress in sheet metal using the crack compliance method. This standard is applicable to the determination of residual stress in rolled sheet metal (such as steel, aluminum alloy, magnesium alloy, etc.) with a thickness of 20mm to 120mm and residual stress varying along the thickness. The determination of residual stress in sheet metal of other thicknesses can be performed with reference to this standard.

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