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# NATIONAL STANDARD OF THE

# PEOPLE'S REPUBLIC OF CHINA

# GB/T 18310.42-2026

Replacing GB/T 18310.42-2003

## Fiber optic interconnecting devices and passive components-Basic test and measurement procedures-Part 2-42: Tests-Static side load for strain relief

纤维光学互连器件和无源器件 基本试验和测量程序 第2-42部分：试验 应变消除机构的静态侧向负荷

**(English Translation)**

**Issued on: October 30, 2026** **Implemented on: May 1, 2027**

**Issued by: State Administration for Market Regulation;**
**Standardization Administration of China**

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## 1 Foreword

GB/T 18310.42-2026 was issued by State Administration for Market Regulation; Standardization Administration of China on 30 October 2026 and takes effect on 1 May 2027.

It replaces the earlier edition GB/T 18310.42-2003.

It is one of 36 parts of the GB/T 18310 series.

## 2 Scope Preview

GB/T 18310.42-2026 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 76,457 other GB/T standards.

Of the 47,415 GB/T standards that do carry an ICS number, 3,437 (7%) fall under ICS 77, in the field of metallurgy.

## 3 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of China

## 4 Related standards

Other parts of this standard:

GB/T 18310.1-2002 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 2-1: Test -- Vibration (sinusoidal)

GB/T 18310.2-2001 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 2-2: Tests -- Mating durability



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GB/T 18310.3-2001 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-3: Tests - Static shear load

GB/T 18310.4-2001 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 2-4: Tests -- Fibre/cable retention

GB/T 18310.4-2026 - Fibre optic interconnecting devices and passive components-Basic test and measurement procedures-Part 2-4: Tests-Fibre or cable retention

GB/T 18310.5-2002 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 2-5: Tests -- Torsion/twist

GB/T 18310.6-2001 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 2-6: Tests -- Tensile strength of coupling mechanism

GB/T 18310.7-2002 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-7: Tests - moment

GB/T 18310.7-2026 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-7: Tests - Bending moment

GB/T 18310.8-2003 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-8: Testing collision

GB/T 18310.9-2003 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 2-9: Tests -- Shock

GB/T 18310.10-2003 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-10: Testing anti-extrusion

GB/T 18310.10-2026 - Fiber optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-10: Tests - Crush and load resistance

GB/T 18310.11-2003 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-11: Tests axial compression

GB/T 18310.11-2026 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-11: Tests - Axial compression

GB/T 18310.12-2002 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 2-12: Tests -- Impact

GB/T 18310.12-2026 - Fibre optic interconnecting devices and passive components-Basic test and measurement procedures-Part 2-12: Tests-Impact

GB/T 18310.14-2003 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-14: Tests - Maximum input power

GB/T 18310.14-2025 - Fibre optic interconnecting devices and passive components - Basic



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test and measurement procedures - Part 2-14: Tests - High optical power

GB/T 18310.17-2003 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 2-17: Tests -- Cold

GB/T 18310.17-2026 - Fiber optic interconnecting devices and passive components-Basic test and measurement procedures-Part 2-17: Tests-Cold

GB/T 18310.18-2001 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 2-18: Tests -- Dry heat -- High temperature endurance

GB/T 18310.19-2002 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 2-19: Tests -- Damp heat (steady state)

GB/T 18310.21-2002 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 2-21: Tests -- Composite temperature-humidity cyclic test

GB/T 18310.22-2003 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 2-22: Tests -- Change of temperature

GB/T 18310.23-2025 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-23: Tests - Sealing for non-pressurized closures of fibre optic devices

GB/T 18310.26-2003 - Fibre optic interconnecting devices and passive components Basic test and measurement procedures -- Part 2-26: Tests -- Salt mist

GB/T 18310.27-2026 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-27: Tests - Dust (laminar flow)

GB/T 18310.28-2026 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-28: Tests - Corrosive atmosphere (sulphur dioxide)

GB/T 18310.29-2026 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-29: Tests - Low air pressure

GB/T 18310.35-2026 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-35: Tests - Cable nutation

GB/T 18310.39-2001 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 2-39: Tests -- Susceptibility to external magnetic fields

GB/T 18310.45-2003 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 2-45: Tests -- Durability test by water immersion



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GB/T 18310.46-2026 - Fibre optic interconnecting devices and passive components-Basic test and measurement procedures-Part 2-46: Test-Damp heat cycle

GB/T 18310.48-2007 - Fibre optic interconnecting devices and passive components -- Basic test and measurement procedures -- Part 3-48: Tests -- Temperature-humidity cycling

Other editions:

GB/T 18310.42-2003 (earlier edition)

## 5 Classification and status

Prefix GB/T: recommended standard.



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