

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS A 5571 : 2019

**Tension member for seismic
reinforcement — Carbon fibre composite
strand wires**

ICS 59.100.20 ; 91.100.01

Reference number : JIS A 5571 : 2019 (E)

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A 5571 : 2019

Date of Establishment: 2019-11-20

Date of Public Notice in Official Gazette: 2019-11-20

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Architecture

JIS A 5571 : 2019, First English edition published in 2021-05

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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Printed in Japan

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Foreword

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Act.

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Tension member for seismic reinforcement — Carbon fibre composite strand wires

1 Scope

This Japanese Industrial Standard specifies requirements for the carbon fibre composite strand wires (hereafter referred to as strand wires) made of carbon fibre and thermoplastic resin or thermosetting resin, mainly used for the seismic reinforcement of wooden buildings.

NOTE Example of installation is provided in Annex B.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 7507 *Vernier, dial and digital callipers*

JIS B 7721 *Tension/compression testing machines — Calibration and verification of the force-measuring system*

JIS K 7010 *Vocabulary for fibre reinforced plastic*

JIS R 7608 *Carbon fibre — Determination of tensile properties of resin-impregnated yarn*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS K 7010**, and the following apply.

3.1

wire

single wire made of composite material of carbon fibre, resin, etc. which constitutes a strand wire and mainly bears the strand wire stress (see Figure 1)

3.2

carbon fibre composite strand wire, strand wire

strand obtained by bundling and intertwisting a plurality of wires

Wire strands covered by this Standard are composed of wires of identical construction.

3.3

twist pitch

length of one twist of a wire in the outer layer of the strand wire, measured for the