



**POLITECNICO**  
MILANO 1863

Laboratorio Prove Materiali - NB 1777 CPR

**Notified Body 1777 - CPR**

**CERTIFICATE OF CONSTANCY OF PERFORMANCE**  
**1777 - CPR - 20.01**

In compliance with Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

**Mechanical Fuse Restraints (MFRs)**

with trade name

**DAHT FUSE 500 kN**

Rigid connection devices, type mechanical fuse restraints, to use in buildings and civil engineering works where requirements on individual devices are critical,

placed on the market under the name or trade mark of

**DAHT SRL**

**C.da Alezza zona PIP- 74012 Crispiano (TA) - Italy**

and produced in the manufacturing plant

**DAHT SRL - C.da Alezza zona PIP- 74012 Crispiano (TA) - Italy**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

**EN 15129:2009**

under System 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

**constancy of performance of the construction product.**

This certificate was first issued on 14 December 2020 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The main characteristics of the product are reported in the Annex to this certificate.

Milan, 14 December 2020

Revision n. 0

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Prof. Ing. Carlo Poggi  
Head of Certification Body



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**Annex to Certificate of Constancy of Performance  
no. 1777 – CPR – 20.01**

**Mechanical Fuse Restraint (MFR)**

with trade name

**DAHT FUSE 500 kN**

Description of the product

DAHT FUSE 500 kN functionality is to impede any relative movement between connected parts below a certain pre-established force threshold (breakaway force), whereas they freely permit the movements after the aforesaid threshold has been exceeded.

The device is classified as Mechanical Fuse Restraint (MFR) in accordance with Table 1 of hEN 15129:2009.

The device is manufactured from ferrous material<sup>1</sup> according to the relevant European Standards.

The temperature range is from -30° C to +50° C.

The intended use is in buildings and civil engineering works.

<sup>1</sup> appropriate certificates reporting the identification characteristics of the material are deposited at the Notified Body.

Performance characteristics

DAHT FUSE 500 kN meets the following requirements in accordance with hEN 15129:2009:

- service load test, clause 5.2.4.2
- fatigue test, clause 5.2.4.3
- break-away test, clause 5.2.4.4





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Type, identification and use

DAHT FUSE 500 kN product type has been evaluated on the basis of the results reported below

DAHT FUSE 500 kN		
<i>Essential characteristics</i>	<i>Design value</i>	<i>Unit</i>
Resistance to seismic loads		
Design load	+500	kN
Service load	+250	kN
Durability	Conforming	
Fatigue load	+90	kN

According to Test Report no. 2020/2595

The temperature range is from -30° C to +50° C.

DAHT FUSE products covered by the present Certificate of Constancy of Performance are manufactured with the same internal or external geometry, materials batch and kind of constraints.

Milan, 14 December 2020

Prof. Ing. Carlo Poggi  
Head of Certification Body

**The present Annex is only valid together with the  
Certificate of Constancy of Performance no. 1777 – CPR – 20.01  
rev.0 dated 14 December 2020**