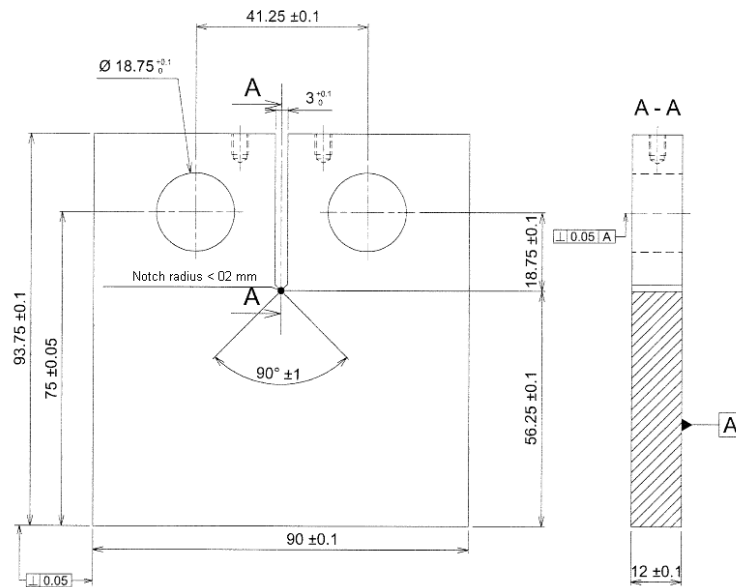


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Instructions to participant laboratories

Please read these instructions carefully **BEFORE** starting the tests.

1. Five specimen blanks are supplied to each participant – 4 results must be provided. The notch direction will be identified on the blank.
2. The compact tensile test specimen shall be machined in accordance with the requirements of ASTM E647*.



Drawing advised CTW75B12 (unit: mm)

3. Each participant is required to determine the following parameters of $da/dN=f(DK)$ curve for $DK=10\text{MPa}\sqrt{\text{m}}$ to $DK=30\text{MPa}\sqrt{\text{m}}$.

- C
- m

$$da/dN = C(\Delta K)^m \quad (\text{mm} / \text{cycles})$$

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4. All tests are to be performed in accordance with the requirements of ASTM E647*.

Parameters: Temperature : Room temperature
Ratio: R = 0.1
Frequency: 10 – 20Hz

Material data: Aluminium 7175 T7351
Yield strength: 432 MPa
Young's modulus: 72 GPa

The tests shall be performed respecting the following conditions:

- One operator only
- One testing machine only
- Tests performed in sequence

5. The following information is to be reported:

- Specimen dimensions
- Test method
- Ambient temperature (°C)
- Results and graphical details as defined within the test standards

6. Results are to be reported as follows:

- C – to nearest 4 digits (ex : 1,234E⁻⁵)
- m – to nearest 4 digits (ex : 1,234)

- 7.

Submission date :	December 31st, 2023
Technical and administrative support :	info@ptpscheme.com

8. To ensure the confidential treatment of your results in the final report, you will be allocated a unique identity number when you register for the program.

* Note: The latest issue of the standard

REVISION HISTORY

Issue Date	Issue N°	Changes
22/08/2022	1	Document creation