Technical Definition

Lap Joint Shear test
Carbon Fiber Composite

You shall respect the HSE policy of your laboratory for each performed test.

Instructions to participant laboratories

Please read carefully these instructions BEFORE starting the tests.

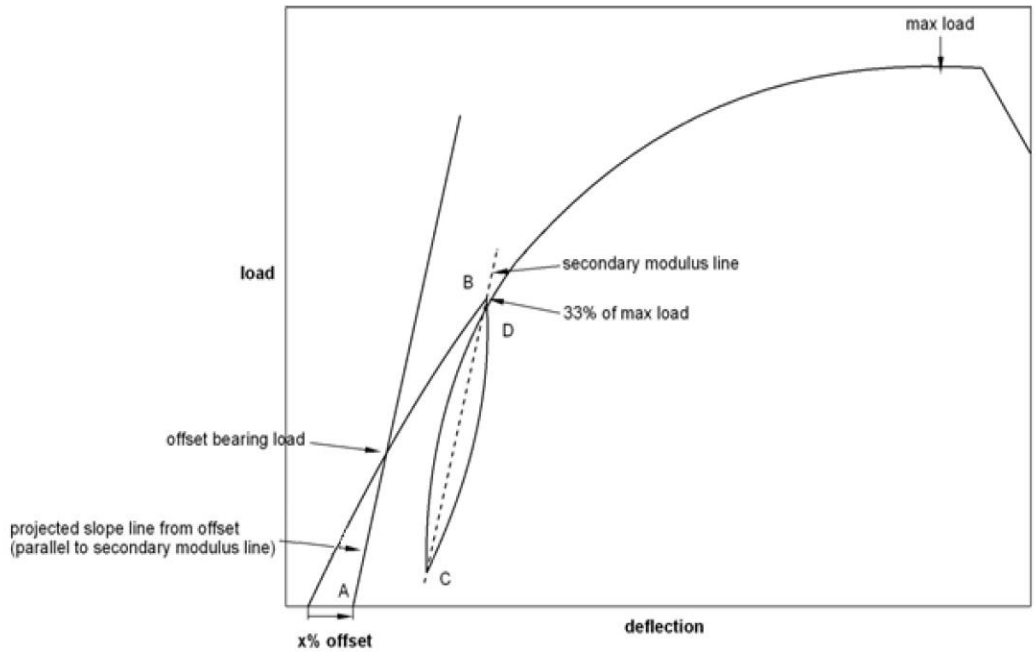
1. Four specimens (225 x 50 x 3,0 mm) are supplied to each participant – 4 results must be provided.
   If one result is missing, your test will be considered as an outlier. A RCA shall be completed.

2. The specimens have to be dried during 48 hours (0/+10) at 70°C (+/- 3), kept in controlled conditions and tested within the next 8 hours after the drying.

3. All tests have to be performed at room temperature in accordance with the requirements of **AITM 1-0065 issue 2** (see note below).

   The tests shall be performed respecting the following conditions:
   - One operator only
   - One testing machine only
   - Tests performed in sequence

   Note: All specimens should be tested applying hysteresis loop as described in **AITM 1.0065 Issue 2, paragraph 8.3.1** (first specimen requirement should be avoided). Load values for hysteresis loop have been calculated as function of failure load determined in Homogeneity tests.
   - Predicted Failure load: 26000 N
   - Initial Loop Point (B): 15000 N
   - Final Loop Point (C): 5000 N



Technical Definition

Lap Joint Shear test
Carbon Fiber Composite

Assembly Details:

- Fastener : Blind Bolt ABS0255-8-250Z
- Nominal Diameter : 6,4 mm
- Grip length : -250 (5,08-6,35 mm)

4. The following information need to be reported:

Characteristic	**Unit**	**Significant digits**	**Mandatory / Not mandatory**	**Evaluated** Yes/no
Specimen length	mm	X,XX	Mandatory	No
Specimen thickness	mm	X,XX	Mandatory	No
Specimen width	mm	X,XX	Mandatory	No
Strain System (Extensometer, LVDT, etc)	N/A	N/A	Mandatory	No
Offset bearing load	N	XXX	Mandatory	**Yes**
Maximum load	N	XXX	Mandatory	**Yes**
Failure load	N	XXX	Mandatory	Yes
Failure mode	N/A	N/A	Mandatory	No
Upload of the official test report	N/A	N/A	Mandatory	No

All evaluated characteristics will be analysed according to the algorithm A and S (ISO 13528 – 2015) and evaluated using z-score.

5. Testing shall start **as soon as test specimens are received**. Please contact the following e-mail address for any technical or administrative query.

Shipment date from	**January 2022**
Submission date :	**May 1st, 2022**
Technical and administrative support :	info@ptpscheme.com

6. Instructions for submission of results are detailed on the website:

https://ptpscheme.com/

7. 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.

8. Collusion and falsification of your PTP results are totally forbidden. In case of identification or suspicion of collusion or falsification, the laboratory will be excluded from the program and the sponsors will be immediately informed. The sponsors could ask you proofs of your records and analyses, so be sure to conserve data, curves and specimens.

9. The tested specimens do not need to be sent back to PTP.

Technical Definition

Lap Joint Shear test
Carbon Fiber Composite

REVISION HISTORY

Issue Date	Issue N°	Changes
21/01/2022	1	Document creation