



EXPERTISE GUIDED DIFFERENCE

TEST REPORT NO. BMA6-D-0178

TESTING AND MATERIALS
DEPARTMENT LEEMS
Materials and Structures Research
and Testing Laboratory

ESSAIS D'ARRACHEMENT SUR SYSTEME D'ANCRAGE

STRONG

CUSTOMER

ZI du Muckental
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GINGER CEBTP LEEMS

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At **FORTAL**'s request, the BMA6 unit of GINGER CEBTP Ile de France carried out pull-out on the anchoring .

The samples supplied to the laboratory are as follows:

- 3 Omega-shaped profiles + 6 mounting brackets

The component drawings were not supplied to us.

2. PURPOSE OF THE TESTS

The aim of the tests is determine the pull-out load of the OMEGA-shaped parts.

3. MATERIAL USED

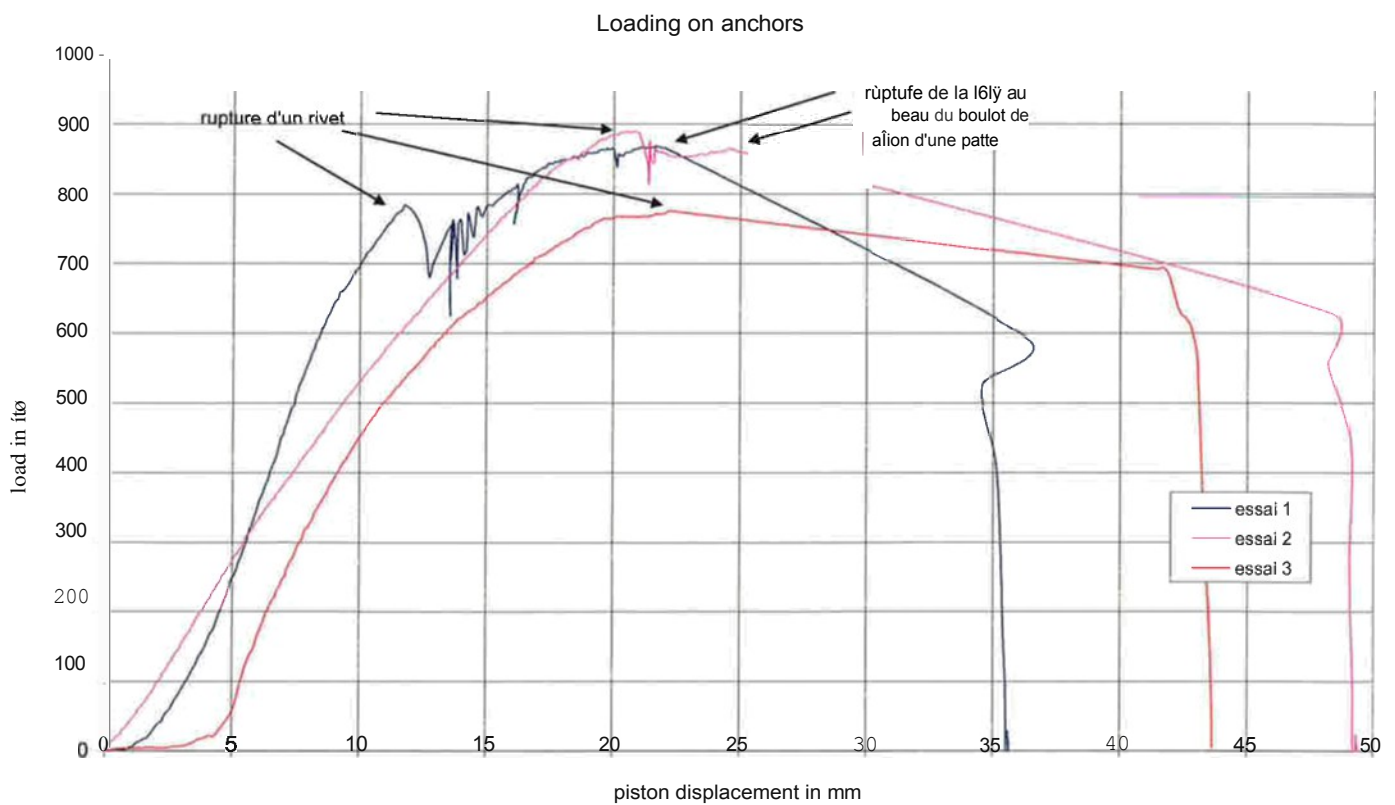
The loading tests were carried out on our AMSLER machine with a capacity of 400 kN (verification report no. 1210199-2 dated 17 December 2012).

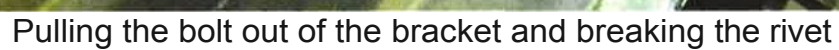
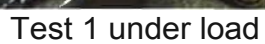
Displacement was measured using a 200mm capacity rotary potentiometer connected to the press piston by a non-deformable INVAR wire (accuracy+ 0.1%).

4. TEST RESULTS

The significant results are as follows:

	Ruin load	Ruin mode
Trial 1	784 kg	Rivet breakage (1 ^{re} load drop)
Trial 2	888 kg	
Trial 3	775 kg	





5. COMMENTS

mechanical characteristics of the elements tested were investigated. The

results do not give rise to any further comments.

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