

TEST REPORT N. 1800182BRI

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**TEST TYPE:** PULL STRENGTH

**MATERIAL /SAMPLE:** PULL CLAMP

**JOB N°:** MBO17E03123

**D.D.T.:** N° 00176 del 06/10/2011, 00180 del 11/10/2011,  
00709 del 16/11/2017

**ORDER:** N° acc. ns offerta METBO0150217 (MBO17E03123)  
del 2018/01/31

**SAMPLE RECEIPT DATE:** 2017/11/17

**CLIENT** **STANZANI S.a.s.**  
ViaSavena Vecchia, 67  
BARICELLA BO

**WARNINGS**

The data contained in this test report refer exclusively to the samples delivered by the Customer.

**The report can not be reproduced partially without authorization.**

Cadriano di Granarolo, 2018-03-09

Technician  
Dott.Ing. *Thierry Foko*



Lab manager  
*Nicola Vicentini*

Firmato digitalmente da:VICENTINI NICOLA  
Data:10/07/2018 10:47:02



**TEST REPORT N. 1800182BRI****SAMPLE IDENTIFICATION**

The client furnished n°1 sample identified as follows:

Identification	Description	Pull strength [kg]	Raw material
Art.121	"SKUBA" PULL CLAMP	6000	Steel

**PURPOSE OF THE TEST**

Verify the pull strength of the sample

**WARNINGS**

*Tested samples have been returned upon customer's request.*

**KIWA CERMET ITALIA S.p.A. Società con socio unico, soggetta all'attività di direzione e coordinamento di Kiwa Italia Holding Srl**

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P.I. 00627711203 - C.F. 03502820370

**TEST REPORT N. 1800182BRI****TEST: PULL STRENGTH****TEST DATE:** 2018-03-09**TECHNICIAN :** *ThierryFoko***EQUIPMENTS**

Static testing machine for tensile strength INSTRON identification IM178 Certificate of Calibration UKAS 0019 n° E150042617135010.

Caliber Mitutoyo identification ID199 Certificate of Calibration LAT 52 n°1707246DSI

Thermometer Delta Ohm identification IT016 Certificate of Calibration CERMET n° 1519-16.

**TEST CONDITIONS**

The verification took place by clamping a 12 mm thick sheet of S1100 structural steel; between static testing machine for tensile strength and to clamp pliers in order to reproduce the using conditions and find out the load under which the clamp breaks or the metal sheet slides-off.

Photo 1 shows the testing configuration.

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Photo 1: Testing configuration

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**TEST REPORT N. 1800182BRI****TEST PARAMETERS**

Temperature 24 °C  
Test speed : 1 mm/min  
Type of control: Displacement  
Preload 500 N

**TEST RESULTS**

Article's code	Pull strength <b>F<sub>m</sub></b> [N]	Note
Art. 121	60882,94(**)	(*)

**Note:**(\*) At end of the test the sample is deformed

(\*\*) F<sub>m</sub> equivalent to 6208,33 kg

**F<sub>m</sub>**: Maximum load.

Uncertainty on the force measurement **U(k=2)2% of the expressed force value**

*The estimation of measurement's expanded uncertainty indicated above is based on the standard uncertainty multiplied by a coverage factor  $k = 2$  (level of confidence 95%).  
uncertainty assessment of the measurement was carried out taking into account the recommendations of the reference standard*

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TEST GRAPHIC

