



## REPORT OF TENSILE TESTS ON COUPLER

### Lab References:

Report No.	: R1-1a 09-14260	Report Date	: 01/08/2009
Request No.	: Q1-1a 09-14260	Sample No.	: S1-1a 09-14260
Date Tested	: 01/08/2009		
Tested By	: NNR/MMK		

### Client References:

Project No.	: Not Applicable
Project Name	: Internal Quality Checking
Senders ref. No.	: Not given
Client	: Not Applicable
Address	: Dubai, U A E
Consultant	: Not Applicable
Contractor	: LUV International Trd. L L C

### 1.0 Introduction

Further to the instruction received from the client for the above mentioned project, GTL has carried out Tensile testing on 20 mm rebar coupler assembly in accordance with the applicable procedures laid down in BS 4449 : 1997 and BS EN 10002 Part 1 : 2001. The coupler attachment fixed with jaws of the tensile testing machine. Uniform load was applied up to the failure. The load at failure along with the mode of failure was reported.

### 2.0 Sample Details. Bar details:

Sample Description	-	20 mm SBT threaded coupler
Grade	-	460 B
Cast No./Charge	-	Not given
Source	-	Not given
Local Supplier	-	LUV International



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# مختبر علوم التربة لفحص المواد GEOSCIENCE TESTING LABORATORY

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Report Date : 01/08/2009

Request No. : Q1-1a 09-14260

Sample No. : S1-1a 09-14260

### 3.0 Coupler Details:

Coupler marking - LUV INTL SBT Coupler

Coupler Length (mm) - 47.46

Coupler diameter-outer (mm) - 32.59

### 4.0 Test Results :

Specimen No.	Maximum Load Applied (kN)	Failure Stress (N/mm <sup>2</sup> )	Mode of Failure
1	191.8	611	Break at the rebar

### Note:

The Failure Stress is calculated using the nominal cross sectional area of 20 mm bar.

### 5.0 Remarks:

The rebars were inserted to the coupler up to 75 % of the coupler length as informed by the client.

Test witnessed by contractor's representatives.

\* Results relates only to the samples tested.

\* Test reports shall not be reproduced (except in full) with out the written approval of the laboratory.



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