



# مختبر علوم التربة لفحص المواد GEOSCIENCE TESTING LABORATORY

## REPORT OF TENSILE TESTS ON COUPLER

### Lab References:

Report No.	: R1-1a 09-12233	Report Date	: 01/07/2009
Request No.	: Q1-1a 09-12233	Sample No.	: S1-1a 09-12233
Date Tested	: 30/06/2009		
Tested By	: NNR/MSS		

### 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

### 1.0 Introduction

Further to the instruction received from the consultant for the above mentioned project, GTL has carried out Tensile testing on 16 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	-	16 mm SBT threaded coupler
Grade	-	460 B
Cast No./Charge	-	Not given
Source	-	Not given
Local Supplier	-	Not given

Form: MD/G 01  
Page 1 of 2

Issue No. : 01/14.10.2008

Ass

Rev.: 0/



Main Office:- Dubai  
P.O. Box 61670 - Dubai  
Tel : +971-4-3477706 / 3477906  
Fax: +971-4-3477704 / 3477691

Sharjah  
P.O. Box 64800 - Sharjah  
Tel : +971-6-5312160  
Fax: +971-6-5312190

Abu Dhabi  
P.O. Box 38442 - Abu Dhabi  
Tel : +971-2-5548212  
Fax: +971-2-5548210

Website : www.geoscience.ae E-mail : info@gtl.ae



# مختبر علوم التربة لفحص المواد GEOSCIENCE TESTING LABORATORY

Report No. : R1-1a 09-12233  
Request No. : Q1-1a 09-12233

Report Date : 01/07/2009  
Sample No. : S1-1a 09-12233

### 3.0 Coupler Details:

Coupler marking - Not applicable  
Coupler Length (mm) - 37.36  
Coupler diameter-outer (mm) - 24.36

### 4.0 Test Results :

Specimen No.	Maximum Load Applied (kN)	Failure Stress (N/mm <sup>2</sup> )	Mode of Failure
1	130.0	646	Break at the rebar

### Note:

The Failure Stress is calculated using the nominal cross sectional area of 16 mm bar.

### 5.0 Remarks:

None



\* Results relates only to the samples tested.

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

Form: MD/G 01  
Page 2 of 2

Issue No. : 01/14.10.2008

Rev. : 0/-

ELYAS MOHAMED SHA

For GEOSCIENCE TESTING LABORATORY



Main Office:- Dubai  
P.O. Box 61670 - Dubai  
Tel : +971-4-3477706 / 3477906  
Fax: +971-4-3477704 / 3477691

Sharjah  
P.O. Box 64800 - Sharjah  
Tel : +971-6-5312160  
Fax: +971-6-5312190

Abu Dhabi  
P.O. Box 38442 - Abu Dhabi  
Tel : +971-2-5548212  
Fax: +971-2-5548210

Website : www.geoscience.ae E-mail : info@gtl.ae