



## REPORT ON MECHANICAL PROPERTIES OF STEEL COUPLERS

Page No. 1 of 1

Client name : LUV International LLC  
Address : P.O. Box 282863, Dubai, U.A.E  
Contractor : NP  
Consultant : NP  
Project name : NP  
Project No. : NP  
Project Location : Dubai  
Sample Description : 16 mm Dia Steel Bar with Coupler  
Type of Coupler : Pressed Coupler  
Source : NP  
Manufacturer : King Fix U.K. Ltd.  
Structural reference : NP

Sender's Ref. : SBT Pressed Coupler  
Marking on Coupler : NP  
Sample Size ( Nos ) : 1  
Sampling Method : NP  
Sampled by : Client  
Sampling Date : 23/12/2009  
Lot No. : NP  
Lot Size (Ton) : NP  
Sample brought by : Client  
Tested by : ZIA

Report No. : 199117 SN 1/1  
Lab. Project No : P-1070  
Report Date : 26/12/2009

Date Sample Received : 23/12/2009  
Time Received : 11:50 AM  
Date of Test : 23/12/2009

### Test Results

Specimen	1
Lab. Sample No.	09-199117/1
Nominal Diameter of Steel Bar ( mm )	16.00
Outer Diameter of coupler ( mm )	25.00
Original length of coupler ( mm )	130.0
Nominal X- Sectional Area of bar ( mm <sup>2</sup> )	201.1
Ultimate tensile stress ( N/mm <sup>2</sup> )	572
Failure Mode	Steel Bar Broken

Test Method Tensile : : BS 4449:1997: Annex E, BS EN 10002-1:1990, BS 8110: Part 1: 1997: Clause 3.12.8.16.2  
Method variation : None  
Remarks : The specimen no. 199117/1 was broken 125 mm away from the coupler.  
: Nominal cross sectional area was used to calculate ultimate tensile stress.



  
Authorized Signatory

**Sohail Zafar**  
Deputy Laboratory Manager

Above results relate only to the item tested.  
This report shall not be reproduced except in full, without the written approval of the laboratory.