



REPORT ON MECHANICAL PROPERTIES OF STEEL COUPLERS

Page No. 1 of 1

Contractor : LUV International LLC
Address : P.O. Box 282863, Dubai, U.A.E
Client name : NP
Consultant : E.C.G.
Project name : Burj Al Alam
Project No. : NP
Project Location : Dubai
Sample Description : 32 mm Dia Steel Bar with Threaded Coupler
Type of Coupler : Threaded
Source : NP
Manufacturer : Coupler Manufacturer King Fix U.K.
Structural reference : NP
Sender's Ref. : SBT Threaded Coupler
Marking on Coupler : LUV Int SBT 4th
Sample Size (Nos) : 1
Sampling Method : NP
Sampled by : Contractor/Consultant
Sampling Date : 24/09/2009
Lot No. : NP
Lot Size (Ton) : NP
Sample brought by : Contractor
Tested by : ZIA

Report No. : 192575 SN 1/1
Lab. Project No : P-1070
Report Date : 26/09/2009
Date Sample Received : 24/09/2009
Time Received : 9:30 AM
Date of Test : 24/09/2009

Test Results

Specimen	1
Lab. Sample No.	09-192575/1
Nominal Diameter of Steel Bar (mm)	32.00
Outer Diameter of coupler (mm)	50.04
Original length of coupler (mm)	71.33
Permanent elongation at 0.6 fy (mm)	0.05
Nominal X- Sectional Area of bar (mm ²)	804.2
Ultimate tensile stress (N/mm ²)	619
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. 192575/1 was broken 275 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.
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