ماتيريال لاب
Material Lab

REPORT ON MECHANICAL PROPERTIES OF STEEL COUPLERS

Contractor	: LUV International LLC		
Address	: P.O. Box 282863, Dubai, U.A.E		
Client name	: NP	Sender's Ref.	: SBT Threaded Coupler
Consultant	: E.C.G.	Marking on Coupler	: LUV Int SBT 3rd
Project name	: Burj Al Alam	Sample Size (Nos)	: 1
Project No.	: NP	Sampling Method	: NP
Project Location	: Dubai	Sampled by	: Contractor/Consultant
Sample Description	: 40 mm Dia Steel Bar with Threaded Coupler	Sampling Date	: 24/09/2009
Type of Coupler	: Threaded	Lot No.	: NP
Source	: NP	Lot Size (Ton)	: NP
Manufacturer	: Coupler Manufacturer King Fix U.K.	Sample brought by	: Contractor
Structural reference	: NP	Tested by	: ZIA

Report No.	: **192576 SN 1/1**	Date Sample Received	: 24/09/2009
Lab. Project No	: **P-1070**	Time Received	: 9:30 AM
Report Date	: 26/09/2009	Date of Test	: 24/09/2009

Test Results

Specimen		1
Lab. Sample No.		09-192576/1
Nominal Diameter of Steel Bar	(mm)	40.00
Outer Diameter of coupler	(mm)	62.41
Original length of coupler	(mm)	89.84
Permanent elongation at 0.6 *fy*	(mm)	0.07
Nominal X- Sectional Area of bar	(mm^2)	1256.6
Ultimate tensile stress	(N/mm^2)	658
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. 192576/1 was broken 290 mm away from the coupler.

: Nominal cross sectional area was used to calculate ultimate tensile stress.

Authorized Signatory

Sohail Zafar
Deputy Laboratory Manager

المكتب الرئيسي : صندوق بريد : ١١٤٧١٧ ، دبي ، الإمارات العربية المتحدة هاتف : ٣٤٠٥٦٧٨ ٤ ٩٧١+، فاكس : ٣٤٠٥٦٧٧ ٤ ٩٧١+
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