

BSRM Steels Limited,
Plot No. 4, Fouzdarhat Industrial Area,
Chittagong,
Bangladesh

6th July 2015

Laboratory Test Report No. 150245

Client's order No. To be advised

Specimen identification

Twelve (12) off 40 mm Ø QST bar specimens with chemical and mechanical properties equivalent to BS 4449:2005 grade B500C and a rib pattern conforming with ISO 6935-2 as shown in figure 1. approximately 1m in length.



Figure 1 – Example of 'herring bone' rib pattern on bar specimens

Specimens identified during testing by laboratory numbering 150245/1/1 to 150245/1/12.

Date of test 19th – 26th June 2015

Tests conducted

Fatigue test according to BS EN ISO 15630-1:2010 clause 8 with test conditions as specified in BS 4449:2005.

Fatigue test results

Specimen Identification	Bar ID No.	No of Cycles X10 ⁶	Frequency (Hz)	Position of Failure	Comments
150245/1/1	1	5.0	131	n/a	Test stopped at 5.0 x 10 ⁶ cycles
150245/1/2	2	5.0	131	n/a	Test stopped at 5.0 x 10 ⁶ cycles
150245/1/3	3	5.0	131	n/a	Test stopped at 5.0 x 10 ⁶ cycles
150245/1/4	4	5.0	131	n/a	Test stopped at 5.0 x 10 ⁶ cycles
150245/1/5	5	5.0	131	n/a	Test stopped at 5.0 x 10 ⁶ cycles

Statement of compliance

This batch of specimens complied with the requirements of BS 4449:2005 clause 7.2.4.

Test report authorised by:



R J Chiplen
Laboratory Manager

End of report