

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

30th March 2015

Laboratory Test Report No. 150023 Issue 2
(Amendment to Laboratory Test Report No. 150023, which it replaces)

Client's order No. To be advised

Specimen identification

Twelve (12) off 22 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.



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

Specimens identified during testing by laboratory numbering 150023/1/1 to 150023/1/12.

Date of test 18th – 24th March 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
150023/1/1	1	5.0	123	n/a	Test stopped at 5.0 x 10 ⁶ cycles
150023/1/2	2	5.0	123	n/a	Test stopped at 5.0 x 10 ⁶ cycles
150023/1/3	3	5.0	122	n/a	Test stopped at 5.0 x 10 ⁶ cycles
150023/1/4	4	5.0	122	n/a	Test stopped at 5.0 x 10 ⁶ cycles
150023/1/5	5	5.0	122	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