

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

10th September 2015

Laboratory Test Report No. 150630

Client's order No. To be advised

Specimen identification

Twelve (12) off 32 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 150630/1/1 to 150630/1/12.

Date of test 3rd – 10th September 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
150630/1/1	1	5.0	120	n/a	Test stopped at 5.0 x 10 ⁶ cycles
150630/1/2	2	5.0	121	n/a	Test stopped at 5.0 x 10 ⁶ cycles
150630/1/3	3	5.0	121	n/a	Test stopped at 5.0 x 10 ⁶ cycles
150630/1/4	4	5.0	120	n/a	Test stopped at 5.0 x 10 ⁶ cycles
150630/1/5	5	5.0	120	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