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Report No: MID 8506100
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Customer: Prestco Scaffolding Ltd.,
Customer Order No: 1921
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Introduction

One off black body wrapover putlog coupler with a forged cover was tested in accordance with B.S. 1139, Part 2 : 1982, and also for ultimate slip and for final torque to destruction.

Method

The clamp was stressed as per B.S. 1139, Part 2 : 1982, the clamp bolts being torqued upto 45 ft.lbs.

Results

The coupler withstood a load of 270 lbs without slipping.

Slip Test

| | <u>Initial Slip</u> | <u>Ultimate Slip</u> |
|-----------------------|---------------------|----------------------|
| Conventional Method | 0.50 Tons | 0.6 Tons |
| Unconventional Method | 0.48 Tons | 0.52 Tons |

Torque Test

The coupler was torqued upto 70-75 ft.lbs, at this point the rivet began to bend, as the torque was increased distortion of the coupler body also increased. A maximum torque of 100ft.lbs was achieved, at this point excessive distortion had occurred. There was no failure or tearing of the rivets, fork bolt or coupler body seen.

Conclusion

The coupler conforms to the requirements of B.S. 1139, Part 2 : 1982.

Yours faithfully,
for B.I.X. Limited.

P. Hill

P. Hill.
Asst. Metallurgist.