

## Load Test Report

 Report Number:
 27146643-20
 July 28, 2014

 Client:
 GYM DIRECT
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UNIT 1 / 3 RESOLUTION DRIVE CARINGBAH NSW 2229

Client Contact:

Order Number:

Test Requirements: Load test of a half rack with high low pulley as per client's instructions.

Sample Identification: Half Rack with High Low Pulley (Code HR1002)

Test Date: 08/07/2014

<u>Test Equipment:</u> 25kg Free Weight Plates 20kg Barbells Slings

(Refer to Test Report 27146643-23 for details)

Test Load: 804.60kg on the J hooks

718.60kg on the safety bars 203.60kg on the high low pulley

<u>Requirements:</u> The sample is to withstand the distributed test load on the J hooks, safety bars

and high low pulley with no evidence of collapse or observable

damage/deformation as per client's instructions.

Test Results: There was no evidence of collapse or observable damage/deformation after

application of the test loads.

Remarks: Based on the distributed test loads applied and applying a Factor of Safety 1.5, the

Load Rating of the Half Rack on the J Hooks is 500kg, on the Safety Bars is 475kg

and on the High Low Pulley is 130kg.



Figure: 1

Subject: General View of the HR1002 Half Rack with High Low Pulley

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Figure: 2 Subject: View of the power rack with the distributed test load (71860kg) applied on the safety arms.



Figure: 3

Subject: View of the power rack with the distributed test load (203.60kg) applied on the high low pulley.