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PO Number: PO10031

Test Report: No. 16030370

Customer: VR Access Solutions Limited, 1 Swan Courtyard, Charles Edward Road, Birmingham, B26 1BU

Element Materials Technology (Sheffield) were asked by VR Access Solutions Limited to perform the analysis reported below.

Material Information

Test Date: 30/03/2016

Description of Sample:	6T Base Jack 650mm
Material Specification:	Not Given
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Introduction

Tested in accordance with: Not Applicable

Method of Test

The samples were tested in a universal testing machine serial number T33 calibrated to national standards.
The samples were held using fittings suitable for both the machine and the items under test.
Loading was applied uniformally in compression until no further load could be applied or failure occurred.

Results

Test No.	Decribed as	Maximuum Load kN	Remarks
C0619	6 Tonne Base Jack (Highest position)	182.6	Fracture occurred at the central portion of the Base Jack screw thread.
C0620	6 Tonne Base Jack (Highest position)	183.6	Fracture occurred at the central portion of the Base Jack screw thread.
C0621	6 Tonne Base Jack (Highest position)	183.8	Fracture occurred at the central portion of the Base Jack screw thread.
C0622	6 Tonne Base Jack (Central position)	176.8	Fracture occurred at the central portion of the Base Jack screw thread.
C0623	6 Tonne Base Jack (Centra lposition)	173.8	Fracture occurred at the central portion of the Base Jack screw thread.
C0624	6 Tonne Base Jack (Central position)	163.0	Fracture occurred at the central portion of the Base Jack screw thread.
C0625	6 Tonne Base Jack (Lowest position)	216.6	Deformation of the testing tool occurred.
C0626	6 Tonne Base Jack (Lowest position)	210.9	Deformation of the testing tool occurred.

Conclusion

The samples achieved a 6T SWL factor of 2.9

Issue Date: 22 April 2016

Authorised Signatory

Signature: Name: **Lee Mangham** Position: **Operations Manager**

NB: All tests marked with a * are not on our UKAS schedule of accreditation

Where appropriate, the results reported herein provide traceability of measurement to recognised national standards, and to units of measurement realised at the National Physical Laboratory or other recognised national standards laboratories. Any opinions or interpretations given herein fall outside the scope of our schedule of accredited testing. If, upon reproduction, only part of this report is copied, Element will not bear any responsibility for content, purport and conclusions of that reproduction. Original reports issued by Element, either in electronic or physical form have legal value only when furnished with an authorised signature. Any subsequent digital or physical copies of this report have no legal value unless authorised by Element. The Terms & Conditions of Element, available upon request, are applicable on all services provided by Element. NB: Results given in this report relate only to the items received and tested.