



**HYDRA CAPSULE
LIMITED**

TESTING & MONITORING PRODUCT CATALOGUE

OUR SERVICES

- Pull Testing Equipment Hire
- Load Testing & LOLER Services
- Wireless Monitoring Systems
- Calibration & Certification
- Pressure & Displacement
Monitoring



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HYDRA-CAPSULE LIMITED - GIVING CONSTRUCTION OUR SUPPORT

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TESTING & MONITORING OVERVIEW



Hydra-Capsule provides a complete range of testing, monitoring and calibration services for the UK construction industry. From pull testing and anchor verification through to wireless structural health monitoring and UKAS-traceable calibration.



- ✓ Pull Testing: Hilti, HydraJaw & BVA systems from 5 kN to 600 kN
- ✓ Load Testing: Proof loading and foundation testing up to 15,000 kN (1,500 tonnes)
- ✓ Load Cells: Compression, tension & centre-hole cells from 1 kN to 15,000 kN
- ✓ Wireless Monitoring: T25 real-time data acquisition via 4G/WiFi
- ✓ Calibration: UKAS-traceable force & pressure calibration laboratory
- ✓ Displacement: LVDT sensors to $\pm 0.01\text{mm}$ resolution for structural monitoring

KEY CAPABILITIES

15,000 kN

Max load capacity

128 Ch

Wireless monitoring

UKAS

Traceable calibration



OUR SERVICES



Pull Testing

Anchor & fixing verification
from 20kN to 200kN



Bar Tensioning & Pre-Stressing

Compression & tension / preload
testing up to 500T



Foundation Testing

Pile & micropile capacity
verification



Anchor Testing

HydraJaw proof-load
testing up to 300kN



Load Cell Monitoring

Force measurement from 1kN to
25,000kN



Wireless Monitoring

Real-time data acquisition, record
and reporting systems



Pressure Monitoring

Hydraulic pressure monitoring and
testing from 1 to 1600 bar



Displacement Sensors

Lifting equipment, hydraulic
cylinders/jacks & ancillary
inspection & certification



Calibration Services

Traceable UKAS calibration up to
15,000kN and 1600 Bar



LOLER Inspections

Lifting equipment, hydraulic
cylinders/jacks & ancillary
inspection & certification

02 CLIMBING JACKS



Climbing jacks provide multi-stage vertical lifting capability for heavy structures where conventional cranes cannot be used. They operate by gripping and climbing high-tensile bars or columns in sequential strokes with mechanical locking at each stage.

SYSTEM COMPONENTS

- ✓ Hydraulic climbing jack units
- ✓ High-tensile climbing bars/columns
- ✓ Mechanical locking collars (auto-grip)
- ✓ Synchronised hydraulic power packs
- ✓ Load monitoring & control systems

KEY BENEFITS

- ✓ Unlimited stroke height through sequential climbing
- ✓ Mechanical locking provides fail-safe holding at each stage
- ✓ No crane required for tall vertical lifts
- ✓ Precise load control throughout the lift
- ✓ Modular design for various load capacities

APPLICATIONS

- ✓ Modular building elevation
- ✓ Bridge & structural lifts
- ✓ Jack-up operations where stroke height is critical
- ✓ Heavy industrial module installation
- ✓ Offshore platform construction

Unlimited

Stroke Height

500T+

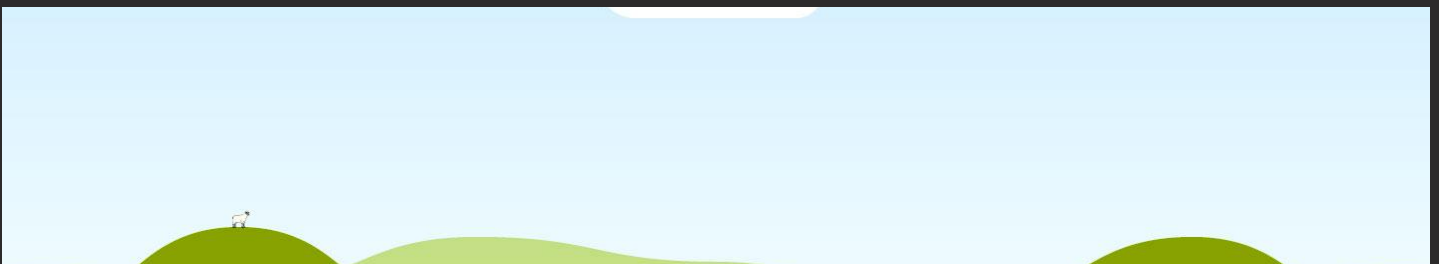
Capacity

±1mm

Precision

Multi-Point

Synchronised



02 PULL TESTING



Hilti HST3 and HSL4 anchor testing systems for on-site pull testing of mechanical and chemical fixings to European standards.



HST3 System

Hilti HST3 hydraulic pull tester for mechanical anchors up to 80kN capacity



HSL4 System

Hilti HSL4 heavy-duty anchor testing for high-capacity fixings up to 200kN



Chemical Fixings

Testing of resin and chemical anchor systems including HIT-RE and HIT-HY ranges



Mechanical Anchors

Verification of expansion anchors, undercut anchors and sleeve anchors



On-Site Testing

Portable equipment for rapid deployment and testing across construction sites



Standards Compliance

Testing to BS 8539, ETAG and EAD requirements with full documentation



Data Reporting

Digital test reports with load-displacement curves and pass/fail certification



Hire & Sales

Equipment available for short and long-term hire or outright purchase

03 ANCHOR TESTING



HydraJaw hydraulic anchor testing systems for proof-load verification of fixings from 35kN to 300kN capacity.



HydraJaw 35kN

Lightweight portable unit for testing fixings up to 35kN in concrete and masonry



HydraJaw 100kN

Medium capacity testing for mechanical and chemical anchors up to 100kN



HydraJaw 200kN

High capacity proof-load testing for heavy-duty structural fixings



HydraJaw 300kN

Maximum capacity system for large diameter anchors and post-installed bars



Concrete Fixings

Testing of expansion, undercut and bonded anchors in concrete substrates



Masonry Fixings

Verification of fixings in brick, block and stone masonry structures



Post-Installed Rebar

Pull-out testing of chemically bonded reinforcement connections



Test Certification

Full documentation with load-displacement data and pass/fail reporting

04 HYDRAULIC PULL TESTING



BVA high-capacity hydraulic pull testing systems for heavy-duty anchor and fixing verification up to 1000kN.



BVA 500kN System

High capacity hydraulic pull tester for large diameter anchors and structural fixings



BVA 1000kN System

Maximum capacity testing for heavy-duty structural connections and ground anchors



Ground Anchors

Proof-load testing of permanent and temporary ground anchor installations



Rock Bolts

Verification of rock bolt capacity in tunnelling and slope stabilisation applications



Structural Fixings

Testing of cast-in channels, holding-down bolts and base plate connections



Facade Systems

Pull testing of curtain wall brackets, cladding fixings and facade support systems



Digital Data Logging

Electronic load measurement with real-time data capture and reporting



Hire & Technical Support

Equipment hire with full technical support and on-site assistance available

05 FOUNDATION TESTING



STAHT static load testing systems for pile, micropile and ground anchor capacity verification on construction sites.



Pile Load Testing

Static maintained load testing of bored, driven and CFA piles to specification



Micropile Testing

Verification of micropile and minipile capacity for underpinning and new build



Ground Anchors

Proof and acceptance testing of temporary and permanent ground anchors



Kentledge Systems

Reaction systems using kentledge stacks for maintained load pile testing



Tension Piles

Uplift testing of tension piles and ground anchors with reaction frames



Lateral Load Testing

Horizontal load testing of piles for retaining wall and slope applications



Data Acquisition

Automated logging of load, displacement and time during maintained load tests



Test Reporting

Full test reports with load-settlement curves to ICE specification

06 LOAD TESTING & LOLER



Comprehensive load testing and LOLER inspection services for lifting equipment, temporary works, and structural verification.



Compression Testing

Proof load testing up to 15,000kN for structural and lifting equipment



Tension Testing

Pull-out and tension verification up to 5,000kN capacity



LOLER Inspections

Thorough examination of lifting equipment to LOLER 1998 regulations



Lifting Beams

Proof load testing and certification of lifting beams and spreader bars



Davits & Hoists

Testing and certification of davit arms, hoists and winch systems



Anchor Points

Verification of fall arrest anchors, eyebolts and safety systems



Bespoke Test Frames

Custom-built test rigs for non-standard equipment and structures



Certification

Full documentation with test certificates, LOLER reports and asset registers

07 LOAD CELLS & FORCE MONITORING

HYDRA-CAPSULE

Precision force measurement systems from 1kN to 15,000kN for structural monitoring, load verification and proof testing.



Compression Cells

Flat and button-type load cells for bearing and jacking force measurement



Tension Cells

Through-hole and rod-end cells for cable, anchor and tendon force monitoring



Centre-Hole Cells

Annular cells for post-tensioning strand and bar force verification



Hydraulic Cells

Flat jack pressure cells for contact stress measurement in concrete structures



Multi-Channel Systems

Simultaneous monitoring of multiple load points with centralised data logging



Wireless Load Cells

Battery-powered cells with T25 wireless transmission for remote monitoring



Overload Protection

Alarm systems and automatic cut-off for safe load management on site



Calibration

All cells supplied calibrated and traceable to national standards up to 16,000kN

07A CALIBRATION LABORATORY SERVICES



Hydra-Capsule operates a fully equipped calibration laboratory providing UKAS-traceable calibration, inspection and certification services for hydraulic jacks, load cells, pressure gauges and testing equipment.

Our laboratory is purpose-built to handle equipment from 1kN to 15,000kN capacity with full traceability to national standards.

CALIBRATION SERVICES

- Hydraulic jack calibration (up to 15,000 kN)
- Load cell calibration (compression & tension)
- Pressure gauge calibration (up to 1,600 bar)
- LVDT & displacement sensor calibration
- Torque wrench calibration
- Bespoke test equipment verification

INSPECTION & CERTIFICATION

- ✓ LOLER thorough examination
- ✓ 6-monthly & annual inspection schedules
- ✓ Hydraulic hose testing & replacement
- ✓ Jack servicing, seal replacement & repair
- ✓ Full test certification & asset registers

LABORATORY CAPACITY

15,000kN

Max Force

1,600 Bar

Max Pressure

UKAS

Traceable

07B LOAD TESTING & VERIFICATION



Hydra-Capsule provides structural proof load testing, bridge testing, temporary works verification and bespoke test frame capability.

Our load testing services support LOLER compliance, structural verification and project specific testing requirements.

TESTING SERVICES

- ❑ Compression Testing (up to 15,000 kN)
- ❑ Tension Testing (up to 5,000 kN)
- ❑ Structural Proof Loading
- ❑ Anchor Testing
- ❑ Bridge & Infrastructure Testing
- ❑ Bespoke Test Frames

LOLER INSPECTIONS

- ✓ Lifting Beams & Spreader Beams
- ✓ Davits & Hoists
- ✓ Anchor Points & Eyebolts
- ✓ Temporary Works Equipment
- ✓ Bespoke Fabrications

TEST CAPACITY

15,000kN

Compression

5,000kN

Tension

72,000Nm

Torque

08 T25 WIRELESS MONITORING



The T25 wireless data acquisition platform provides real-time monitoring of load, displacement, pressure and temperature across multiple channels simultaneously.

Designed for construction site environments, the T25 system eliminates trailing cables and enables remote access to live project data.

SYSTEM FEATURES

- ❑ Up to 128 wireless channels per system
- ❑ Real-time data streaming via 4G/WiFi
- ❑ Battery life up to 6 months per node
- ❑ IP67 rated for harsh site conditions
- ❑ Cloud-based data storage & access
- ❑ Automatic alarm notifications

APPLICATIONS

- ✓ Bridge & structural health monitoring
- ✓ Pile load testing & settlement tracking
- ✓ Temporary works force monitoring
- ✓ Tunnel convergence measurement
- ✓ Retaining wall deflection monitoring

SYSTEM CAPACITY

128

Wireless Channels

6 Months

Battery Life

4G/WiFi

Data Transmission

09 DISPLACEMENT MONITORING



High accuracy displacement measurement systems for structural monitoring, bridge deflection, pile testing and temporary works.



LVDT Sensors

Linear variable differential transformers for precision measurement from 0.01mm to 500mm range



Pull-Wire Sensors

Long-range displacement measurement up to 2m for settlement and structural movement



Bridge Deflection

Real-time monitoring of bridge deck movement under live loading conditions



Pile Testing

Displacement measurement during static load testing of piles and foundations



Settlement Monitoring

Long-term ground and structural settlement tracking with wireless data logging



Temporary Works

Monitoring of propping, shoring and temporary support structures during construction



Wireless Integration

T25 platform compatible for remote real-time data acquisition and alarm notifications



Calibration & Certification

All sensors supplied calibrated and traceable with full certification documentation

10 PRESSURE MONITORING



Real-time pressure monitoring for hydraulic systems and testing operations.

Wireless pressure sensors from 5 bar to 1600 bar with live dashboard viewing, alarm notifications and full data logging.

AVAILABLE RANGE

- ☐ 5 Bar
- ☐ 25 Bar
- ☐ 100 Bar
- ☐ 250 Bar
- ☐ 700 Bar

FEATURES

- ✓ Wireless transmission
- ✓ Live dashboard viewing
- ✓ Pressure alarms
- ✓ Data logging
- ✓ T25 platform integration

MONITORING RANGE

1600 Bar
Max Pressure

Multi-Ch
Channels

Wireless
Transmission

02 PULL TESTING



Hydra-Capsule provides on-site pull testing services using Hilti, HydraJaw and BVA hydraulic systems for verification of mechanical anchors, chemical fixings and rebar connections from 5kN to 600kN capacity.

TESTING SYSTEMS

- ✓ Hilti HST3 hydraulic pull tester (up to 80kN)
- ✓ Hilti HSL4 heavy-duty system (up to 200kN)
- ✓ HydraJaw 2000 (up to 300kN)
- ✓ BVA hydraulic systems (up to 600kN)
- ✓ Digital load recording & certification

KEY BENEFITS

- ✓ Rapid on-site deployment with portable equipment
- ✓ Testing to BS 8539, ETAG and EAD standards
- ✓ Digital load-displacement curves
- ✓ Same-day test certification available
- ✓ UKAS-traceable calibrated equipment

APPLICATIONS

- ✓ Mechanical anchor verification (expansion, undercut, sleeve)
- ✓ Chemical anchor proof testing (resin, epoxy, hybrid)
- ✓ Rebar connection pull-out testing
- ✓ Facade & curtain wall fixing verification
- ✓ Post-installed reinforcement testing

600kN

Max Capacity

BS 8539

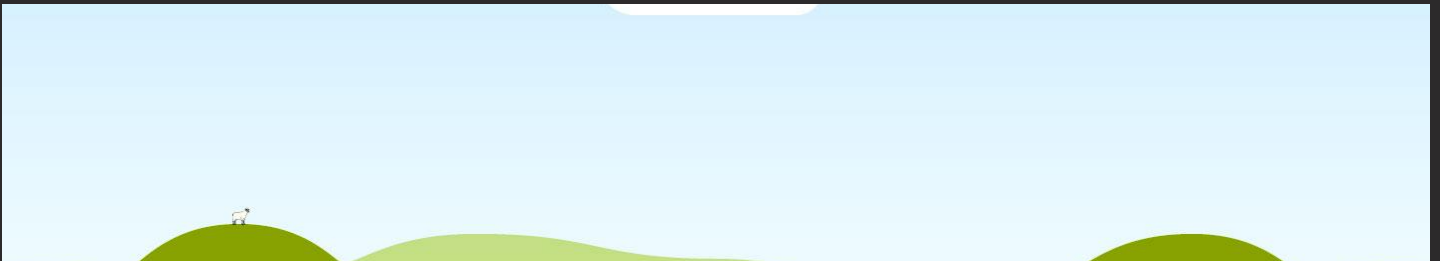
Compliant

Same Day

Certification

Nationwide

Coverage



11 CALIBRATION & CERTIFICATION

Hydra-Capsule provides calibration, verification and certification services for hydraulic, structural, geotechnical and lifting equipment.



All calibration equipment is traceable and suitable for supporting LOLER inspections, load testing programmes and quality assurance requirements.

CALIBRATION CAPABILITY

- Load / Force: 0 – 15,000 kN
- Hydraulic Pressure: 1 – 1600 Bar
- Displacement: 1mm – 2000mm
- Torque: 0 – 72,000 Nm
- Bolt Tensioning: Up to 5,000 kN

EQUIPMENT CALIBRATED

- ✓ Compression & Tension Load Cells
- ✓ Hydraulic & Digital Gauges
- ✓ Pressure Transducers
- ✓ LVDT & Pull-Wire Sensors
- ✓ Torque & Bolt Tensioning Equipment

TESTING CAPACITY

15,000kN
Load / Force

1600 Bar
Pressure

72,000Nm
Torque

02 CLIMBING JACKS



Climbing jacks provide multi-stage vertical lifting capability for heavy structures where conventional cranes cannot be used. They operate by gripping and climbing high-tensile bars or columns in sequential strokes with mechanical locking at each stage.

SYSTEM COMPONENTS

- ✓ Hydraulic climbing jack units
- ✓ High-tensile climbing bars/columns
- ✓ Mechanical locking collars (auto-grip)
- ✓ Synchronised hydraulic power packs
- ✓ Load monitoring & control systems

KEY BENEFITS

- ✓ Unlimited stroke height through sequential climbing
- ✓ Mechanical locking provides fail-safe holding at each stage
- ✓ No crane required for tall vertical lifts
- ✓ Precise load control throughout the lift
- ✓ Modular design for various load capacities

APPLICATIONS

- ✓ Modular building elevation
- ✓ Bridge & structural lifts
- ✓ Jack-up operations where stroke height is critical
- ✓ Heavy industrial module installation
- ✓ Offshore platform construction

Unlimited

Stroke Height

500T+

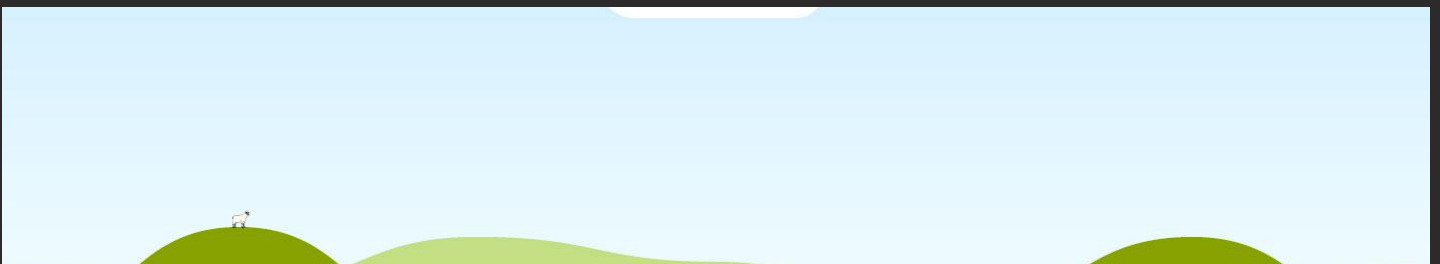
Capacity

±1mm

Precision

Multi-Point

Synchronised



10 CONTACT US



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OUR SERVICES

- ✓ Pull Testing & Anchor Equipment Hire
- ✓ Load & Foundation Testing Services
- ✓ LOLER Inspections
- ✓ Calibration Services
- ✓ Wireless Monitoring Systems
- ✓ Load Cell Hire & Sales
- ✓ Pressure Monitoring Systems
- ✓ Technical Support & Site Services



02 CLIMBING JACKS



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Unlimited

Stroke Height

500T+

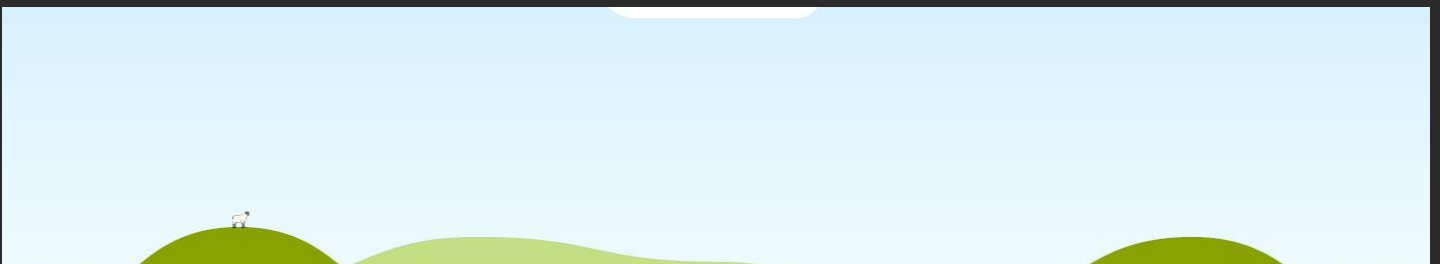
Capacity

±1mm

Precision

Multi-Point

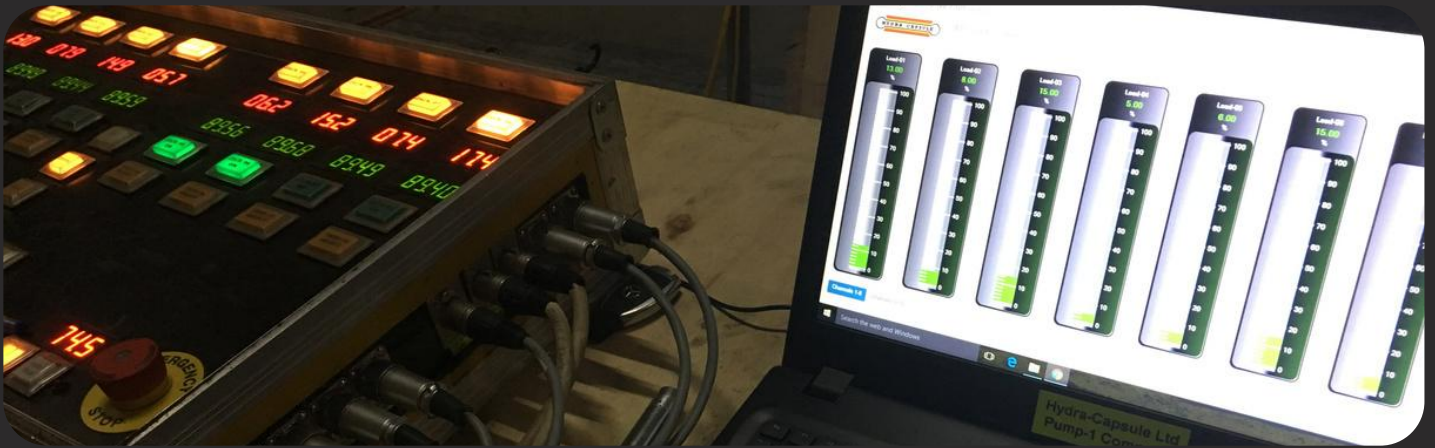
Synchronised



11 MONITORING, TESTING & CALIBRATION SERVICES



Real-time structural monitoring, load testing, and UKAS-traceable calibration services. PLC-controlled data acquisition with live reporting for critical construction operations.



- ✓ LVDT / movement sensor & displacement monitoring
- ✓ Load cell monitoring & data-logging + recording
- ✓ Pile load testing (static & dynamic)
- ✓ Proof load testing 1,200+ tonnes to BS/EC standards
- ✓ UKAS-traceable jack inspection, servicing/repair and calibration
- ✓ Real-time data-logging with live reporting (wired, wireless and automated)

KEY CAPABILITIES

±0.01mm

LVDT
resolution

Real-time

Live data-logging
& reporting

UKAS

Accredited service
for service & calibration



02 CLIMBING JACKS



Climbing jacks provide multi-stage vertical lifting capability for heavy structures where conventional cranes cannot be used. They operate by gripping and climbing high-tensile bars or columns in sequential strokes with mechanical locking at each stage.

SYSTEM COMPONENTS

- ✓ Hydraulic climbing jack units
- ✓ High-tensile climbing bars/columns
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KEY BENEFITS

- ✓ Unlimited stroke height through sequential climbing
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APPLICATIONS

- ✓ Modular building elevation
- ✓ Bridge & structural lifts
- ✓ Jack-up operations where stroke height is critical
- ✓ Heavy industrial module installation
- ✓ Offshore platform construction

Unlimited

Stroke Height

500T+

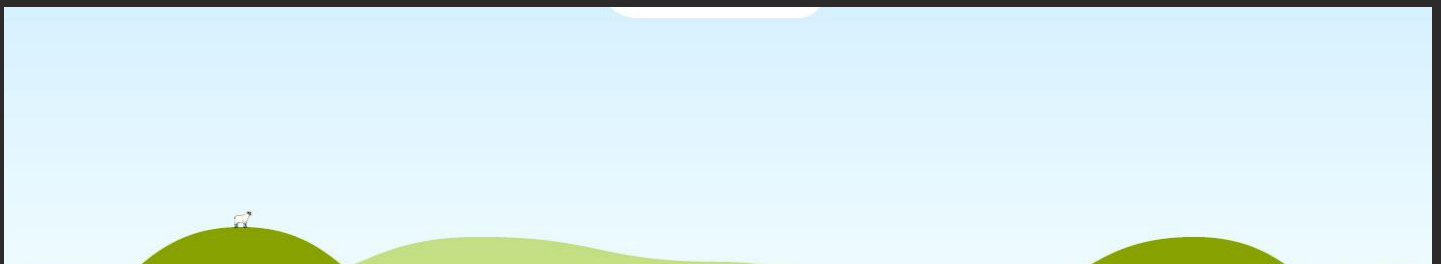
Capacity

±1mm

Precision

Multi-Point

Synchronised



11.1 MONITORING & LOAD TESTING SYSTEMS



Real-time wireless monitoring, load testing, and UKAS-traceable calibration across all load, pressure, and displacement parameters on site. These advanced systems offer unparalleled accuracy and efficiency, ensuring that every aspect of construction meets rigorous safety and performance standards



Pull & Load Testing

Anchor, Fixings and Bar proof-loading systems up to 3,000 kN.
Foundation and load-testing up to 12,000 kN per unit (1,200 tonnes)
Larger systems can be designed using combination of multi-set units



Wireless Monitoring

Hydra-Log system providing real-time load, pressure and displacement data on site. Multi-channel data acquisition.
this is an invaluable tool to provide insights & comprehensive data.



UKAS Calibration

Traceable calibration to 15,000 kN and 1,600 bar.
LOLER inspections, testing certification included.
Full purpose-built units for pressure monitoring 5-1,600 bar.

SYSTEMS OVERVIEW

- ✓ Pull and Anchor Testing: PT Model 5-60 kN, and Pull-Ram Cylinder / Clevis
- ✓ Pull-Testing from 75-5,000 kN
- ✓ Foundation Testing: Hydra-Test System 300-12,000 kN
- ✓ Load Cells: Compression 5T-1,600T | Centre-hole 50-5,000 kN
- ✓ Wireless HydraLog: Real-time load | Pressure & Displacement
- ✓ Proof-Loading and Dynamic Testing: Calibration upto 16,000 kN (1,600 Te)

UKAS traceable calibration up to 25,000 kN & 1,600 bar. LOLER inspections included. LVDT sensors for displacement monitoring full inspected to ISO and British Standard as a minimum requirement

02 CLIMBING JACKS



Climbing jacks provide multi-stage vertical lifting capability for heavy structures where conventional cranes cannot be used. They operate by gripping and climbing high-tensile bars or columns in sequential strokes with mechanical locking at each stage.

SYSTEM COMPONENTS

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APPLICATIONS

- ✓ Modular building elevation
- ✓ Bridge & structural lifts
- ✓ Jack-up operations where stroke height is critical
- ✓ Heavy industrial module installation
- ✓ Offshore platform construction

Unlimited

Stroke Height

500T+

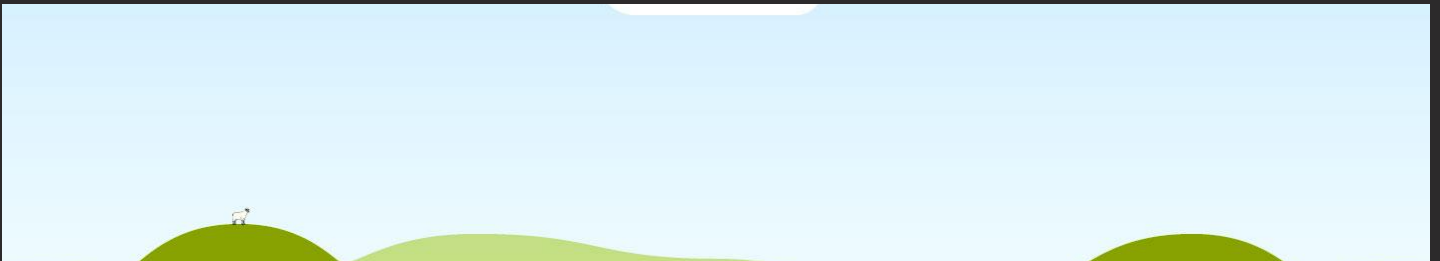
Capacity

±1mm

Precision

Multi-Point

Synchronised



TESTING & MONITORING AT A GLANCE



Hydra-Capsule provides comprehensive testing, monitoring and calibration services for construction — from pull testing and load cells to wireless data acquisition and UKAS-traceable calibration across the UK.

PULL TESTING & ANCHOR VERIFICATION

Hilti, HydraJaw & BVA systems for fixings, anchors and rebar from 5–600 kN capacity

PROOF-LOAD TESTING & LOLER / TRDT CERTIFICATION

Proof load testing up to 15,000 kN, LOLER inspections, lifting beam and davit certification

LOAD CELLS & FORCE MONITORING

Compression, tension and centre-hole cells from 1 kN to 15,000 kN with wireless options

T25 WIRELESS MONITORING

Real-time load, pressure and displacement data via 4G/WiFi with cloud access and alarm notifications

FULL SCALE DEFLECTION CALIBRATION & CERTIFICATION

UKAS-traceable calibration up to 15,000 kN and 1,600 bar with full test certification and asset registers

PRESSURE & DISPLACEMENT MONITORING

LVDT sensors, pressure transducers and automated logging for structural health monitoring

KEY CAPABILITIES

- ✓ Pull testing from 5 kN to 600 kN (anchors, fixings, rebar)
- ✓ Load testing and proof loading up to 15,000 kN (1,500 tonnes)
- ✓ UKAS-traceable calibration laboratory (force & pressure)
- ✓ T25 wireless monitoring with real-time cloud data access
- ✓ LVDT displacement monitoring to ± 0.01 mm resolution
- ✓ Nationwide coverage with full hire, sales & installation services

02 CLIMBING JACKS



Climbing jacks provide multi-stage vertical lifting capability for heavy structures where conventional cranes cannot be used. They operate by gripping and climbing high-tensile bars or columns in sequential strokes with mechanical locking at each stage.

SYSTEM COMPONENTS

- ✓ Hydraulic climbing jack units
- ✓ High-tensile climbing bars/columns
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- ✓ Synchronised hydraulic power packs
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KEY BENEFITS

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500T+

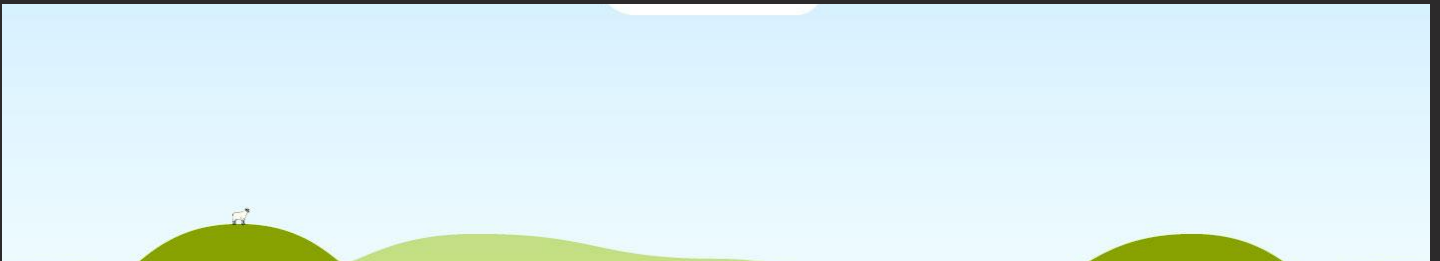
Capacity

±1mm

Precision

Multi-Point

Synchronised



KEY STATISTICS – TESTING & MONITORING



Hydra-Capsule's testing and monitoring capabilities in numbers. Decades of precision measurement, calibration and data acquisition for the UK construction industry.

5,000+

TESTS COMPLETED
ANNUALLY

200+

WIRELESS MONITORING
CHANNELS

±0.01mm

LVDT DISPLACEMENT
RESOLUTION

UPTO 1,600

BAR MAX
PRESSURE CAPACITY

UPTO 15,000

kN CALIBRATION
CAPACITY

±0.1-0.25%

FULL SCALE DEFLECTION
(F.S.D) ACCURACY

PERFORMANCE

- ✓ **600+ LOAD CELLS IN STOCK** – Compression, tension & centre-hole from 1 kN to 15,000 kN
- ✓ **T25 WIRELESS PLATFORM** – Real-time 4G/WiFi data streaming c/w cloud access
- ✓ **UKAS-TRACEABLE CALIBRATION** – Force upto 15,000 kN, pressure up to 1,600 bar
- ✓ **MULTI-CHANNEL DATA LOGGING** – Simultaneous monitoring of 128+ points
- ✓ **99.8% UPTIME** – Reliable wireless monitoring across all site conditions

CREDENTIALS

- ✓ UKAS traceable calibration to 15,000 kN
- ✓ ISO 9001 quality management
- ✓ Over 5,000+ pull tests completed annually
- ✓ LOLER examination accredited
- ✓ Large inventory of testing & monitoring equipment in the UK

HYDRA-CAPSULE LIMITED – GIVING CONSTRUCTION OUR SUPPORT

02 CLIMBING JACKS



Climbing jacks provide multi-stage vertical lifting capability for heavy structures where conventional cranes cannot be used. They operate by gripping and climbing high-tensile bars or columns in sequential strokes with mechanical locking at each stage.

SYSTEM COMPONENTS

- ✓ Hydraulic climbing jack units
- ✓ High-tensile climbing bars/columns
- ✓ Mechanical locking collars (auto-grip)
- ✓ Synchronised hydraulic power packs
- ✓ Load monitoring & control systems

KEY BENEFITS

- ✓ Unlimited stroke height through sequential climbing
- ✓ Mechanical locking provides fail-safe holding at each stage
- ✓ No crane required for tall vertical lifts
- ✓ Precise load control throughout the lift
- ✓ Modular design for various load capacities

APPLICATIONS

- ✓ Modular building elevation
- ✓ Bridge & structural lifts
- ✓ Jack-up operations where stroke height is critical
- ✓ Heavy industrial module installation
- ✓ Offshore platform construction

Unlimited

Stroke Height

500T+

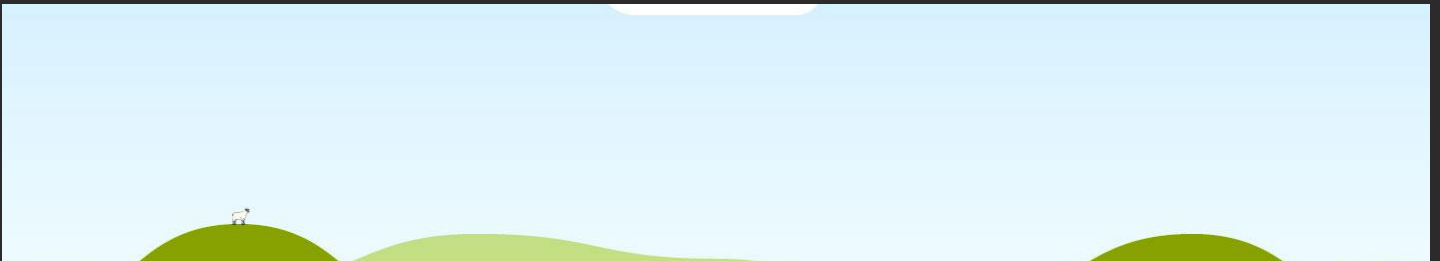
Capacity

±1mm

Precision

Multi-Point

Synchronised



02 CLIMBING JACKS



Climbing jacks provide multi-stage vertical lifting capability for heavy structures where conventional cranes cannot be used. They operate by gripping and climbing high-tensile bars or columns in sequential strokes with mechanical locking at each stage.

SYSTEM COMPONENTS

- ✓ Hydraulic climbing jack units
- ✓ High-tensile climbing bars/columns
- ✓ Mechanical locking collars (auto-grip)
- ✓ Synchronised hydraulic power packs
- ✓ Load monitoring & control systems

KEY BENEFITS

- ✓ Unlimited stroke height through sequential climbing
- ✓ Mechanical locking provides fail-safe holding at each stage
- ✓ No crane required for tall vertical lifts
- ✓ Precise load control throughout the lift
- ✓ Modular design for various load capacities

APPLICATIONS

- ✓ Modular building elevation
- ✓ Bridge & structural lifts
- ✓ Jack-up operations where stroke height is critical
- ✓ Heavy industrial module installation
- ✓ Offshore platform construction

Unlimited

Stroke Height

500T+

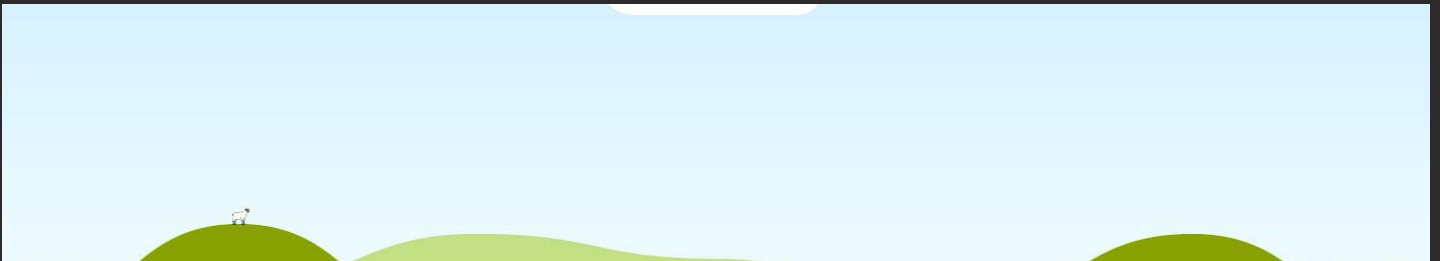
Capacity

±1mm

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