

# HIGHSPARKS

An **UPERIO** Group Company

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See our latest projects and videos on social media:



- Tower Cranes
- Contract Lifting
- Lifting Accessories

## About Us

Highsparks is a UK based Tower Crane Supplier and Lifting Services contractor, with the capability to execute UK and international projects. We offer Hire, Sales, Service, Inspection and Repair of Tower Cranes and Lifting accessories through to Contract Lifting, Transport and Engineering Services. We have a proven worldwide record for providing excellent customer focused services including site surveys, erections, dismantles, procurement, maintenance and spare parts. We place the highest emphasis on quality, health and safety and customer satisfaction throughout the duration of our projects.

## Services Offered

Our comprehensive range of superior quality services, all from one source, is unique to the Tower Crane and Lifting industry. This means we can respond immediately to any need and enhance the business delivery of our customers. We place the highest emphasis on quality, health and safety, and customer satisfaction throughout the duration of a project and order. We have a dedicated team of specialists who enjoy a strong and growing reputation within the industry. Highsparks believes that being responsive, safe and working together with our customers, we can accomplish their projects in line with their budget and scheduled requirements. Client satisfaction is of paramount importance. We appreciate that the only way to a long-lasting business relationship is by ensuring that it proves beneficial to both parties.

- Tower Crane Hire / Sales / Erection / Dismantle / Climbing Services
- Contract Lifting
- Plant Movements / Lift & Shift
- Appointed Persons
- Lifting Equipment Hire / Sales / Service
- Thorough Examinations (LOLER)
- Rope Inspections
- Height Safety/ PPE Inspections
- HIAB Inspections
- Banksmen / Slingers
- Lift Plans/ Method Statements
- Mobile Crane Hire
- NDT Inspections
- Hydraulic Bolt Tensioning
- Electrical/Maintenance Services
- Fabrication Services
- Wind Turbine Services
- Transport Services

# Tower Cranes

Highsparks offers a wide range of Tower Cranes with varying heights, jib lengths and capacities. Available for Hire nationwide no matter what your requirement, perfect for any construction project. Don't want to Hire? Highsparks offer the sale of all types of Tower Cranes and their parts.

## Flat Top Cranes

Industry standard, easy to erect and dismantle modular cranes that do not need pendant bars, since the efforts from the jib and counter jib are directly supported by the slewing ring of the crane.

Flat top cranes have faster hook time and are easier to erect than luffing cranes. They can be erected on a ballast base or fixing anchors and climbed to heights in excess of 100m. Please note Flat Top Cranes can over sail neighbouring properties, sometimes this can cause a problem and permission is normally needed to do so. When this is an issue the use of a Luffing Crane is advised.



## Luffing-Jib Cranes

Luffing-jib cranes are used in work areas with limited airspace or where there's a need to be able to install a crane between two buildings, functioning in a working radius of up to 65 meters, but with a much reduced minimum out-of-service-radius.

With the ability to raise the jib these cranes can move your load with limited radius.



## Self-erecting Tower cranes

Self-erecting tower cranes are highly valued for fast, efficient lifting solutions all over the world.

With quick set up and transportation, they are versatile for any lifting situation where the crane needs to be installed quickly, in places where space is tight, and without the need for auxiliary mobile cranes.

They are usually used for the construction of small projects such as houses, or for smaller industrial projects.



## Contract Lift

We specialise in complex lifting projects and windfarm installation. With our own appointed persons, we can supply a complete turnkey solution to any lifting problem. Utilising our skilled CPCS operatives trained to the new BS7121-1:2016 standard and our extensive lifting equipment, we can plan and undertake the whole lifting operation, comprising site surveys, lift plans, method statements, risk assessments, safe working practices, lifting equipment supply and complete project management.

With our fleet of vehicles, including Hiab's, we can accommodate all your transport needs and deliver any of the crane accessories you need, when you need them.

We undertake machinery and plant removals and installation of modular components such as chiller units, air conditioning units, bathroom pods, and glass and steel prefab pieces.

Delivering your contract lift safely in any environment.

### Industries we serve

- Construction
- Engineering
- Rail
- Infrastructure
- Petrochemical



Highsparks team assisted in the complex erection of the Tower Cranes for the prestigious Forth Road Bridge project.

# Lifting Accessories



Highsparks can provide all your required lifting accessories. From crane ropes & wire slings, chain slings made to order, Shackles, Slings, Height Safety Equipment as well as Crane Cameras and all your Crane attachments.

You'll find everything you need for your lift on site here at Highsparks. Our highly experienced sales team can advise you on the right equipment to do the task in hand. Let us take the stress out of your job planning and equipment selection.

Highsparks offer the sale of Lifting and Hydraulic Equipment from Industry leading suppliers such as Pewag, George Taylor, Transweb, CMCO, Hi-Force, Eichinger, Modulift and HyTorc to name a few.

Highsparks are committed to providing the right equipment for the job, if a solution is not available "off the shelf" our design team can produce a bespoke solution.

If you can't find what you're looking for in our brochure then contact our sales team who will be happy to help.

[enquiries@highsparks.com](mailto:enquiries@highsparks.com)

01698 207000

All our Sales Staff and Lifting Engineers are fully LEEA qualified, giving you peace of mind that our equipment is Inspected and regularly maintained by competent persons.

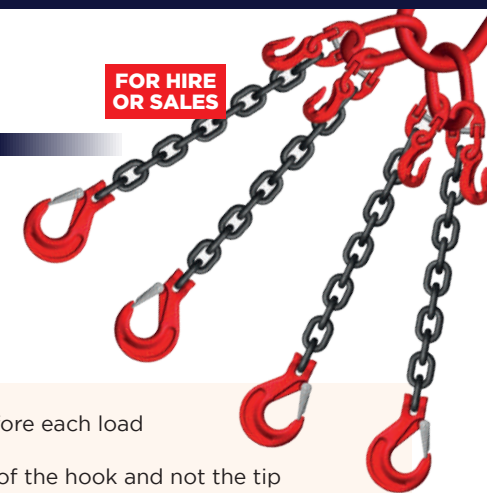
We also offer a full inspection service to ensure your own equipment meets regulation requirements.

All lifting and height safety equipment needs to be inspected within a set timescale as per LOLER and POWER recommendations. If you can't bring it to us then don't worry as we'll come to you.

Once the inspection is complete, a certificate will be issued, with a copy held at our facility as a record of your examination. We will also send you a reminder that your lifting equipment is due for its renewal.

## Chain Slings

FOR HIRE OR SALES



- Grade 8 and 10 chain slings are available from 7mm to 32mm
- Wide range of hook terminations and grabs
- Varying lengths or S.W.L. available upon request
- Supplied with a Report of Thorough Examination.

DO:

- Do check the condition of the slings before each load
- Do check the chain legs are not twisted
- Do check that the load is on the centre of the hook and not the tip
- Do ensure chain slings are used by trained personnel as improper use could lead to personal injury and damage to property.

DON'T:

- Don't use the sling over the maximum working load limit
- Don't load with the convergence angle over 120°
- Don't shock load in either a slight, medium or strong way
- Don't use Grade 8/10 alloy chains in pickling or acid baths or in corrosive atmospheres
- Don't submit the chains to heat treatment
- Don't utilise the chains and accessories outside the temperature range -20° and +200°C.

### Grade 8 Sling WLL Chart

Safety factor	1 Leg	2 Legs	3 or 4 Legs	Choker Endless Sling	Basket Sling					
4										
<b>Working Angles</b>	0°<β<45°	45°<β<60°	0°<β<45°	45°<β<60°	-	0°<β<45°	0°<β<45°	0°<β<45°	0°<β<45°	0°<β<45°
<b>Load Factor</b>	1	1.4	1	2.1	1.5	1.6	1.4	2.1	1	1.4
<b>Dia (mm)</b>	<b>Working Load Limit (tonnes)</b>									
7	1.50	2.12	1.50	3.15	2.24	2.50	2.12	3.15	1.50	2.12
8	2.00	2.80	2.00	4.25	3.00	3.15	2.80	4.25	2.00	2.80
10	3.15	4.25	3.15	6.70	4.75	5.00	4.25	6.70	3.15	4.25
13	5.30	7.50	5.30	11.20	8.00	8.50	7.50	11.20	5.30	7.50
16	8.00	11.20	8.00	17.00	11.80	12.50	11.20	17.00	8.00	11.20
20	12.50	17.00	12.50	26.50	19.00	20.00	17.00	26.50	12.50	17.00
22	15.00	21.20	15.00	31.50	22.40	23.60	21.20	31.50	15.00	21.20
26	21.20	30.00	21.20	45.00	31.50	33.50	30.00	45.00	21.20	30.00
32	31.50	45.00	31.50	67.00	47.50	50.00	45.00	67.00	31.50	45.00



# Lifting Accessories

## Synthetic Slings - Flat Webbing & Round

FOR HIRE OR SALES



- Up to 200t SWL
- Varying lengths available
- Safety Factor 7:1
- Lightweight and Flexible
- Dyneema available on request
- Supplied with a report of thorough examination.



## Alloy Bow Shackles

FOR HIRE OR SALES



- Available with screw or safety pin
- Grade 6 high tensile steel body and pin, quenched and tempered
- Hot dipped galvanised
- Meets the W.L.L. requirements of EN 13889 (from 0.5t to 25t) and US Fed. Spec RR-C 271
- Temperature range 0°C up to +200°C
- Minimum breaking load is 6 times the W.L.L.
- Marked with CE, W.L.L., manufacturers ID, size and traceability code
- Supplied with a report of thorough examination.

## Dee Shackles

FOR HIRE OR SALES



## Crane Forks

FOR HIRE OR SALES



The forks have been designed to give flexibility when required to move oversized and normal packs of blocks and bricks as well as palletised goods around site. This unit is supplied with heavy duty sprung lifting eye, allowing automatic levelling of any load being carried. Load Safety net must be used. Supplied with a report of thorough examination.

SWL (Kg)	Tine Length (mm)	Tine Cross Section (mm)	Height (mm)	Weight (kg)
1000	1000	40 x 90	1500	120
2000	1000	40 x 100	1500	198
3000	1000	45 x 130	1700	364

## Block Grab

FOR HIRE OR SALES



Suitable for handling all types of concrete products such as slabs, steel-strapped bricks, blocks kerb stones and paving blocks and palletised bound loads. Lined with hard rubber pads to minimise damage to load. Supplied with a report of thorough examination.

SWL (Kg)	Internal Height	Jaw Width	Weight
1800Kg	800mm	400-1150mm	200Kg
1600Kg	1000mm	400-1150mm	215Kg

## Crane Skips/Cages

FOR HIRE OR SALES



- Wide range of Skips and Cages Available upto 9t SWL
- Various sizes and types
- Please contact us for specifications
- Supplied with a report of thorough examination.

## Lifting Accessories

### Stretcher Cages/Man Baskets



**FOR HIRE  
OR SALES**

Crane evacuation cage for use where a casualty needs to be evacuated from height.

- Crane evacuation cages
- Suitable for 2 personnel
- 1, 2 or 4 men capacity man baskets available
- Various sizes and types
- Supplied with a report of thorough examination.

### Safety Harnesses



**FOR HIRE  
OR SALES**

- Fully adjustable
- Wide range available
- Available with up to 5 points
- 1 dorsal attachment D-Ring for fall arrest as standard
- Manufactured to EN 361
- Supplied with a report of thorough examination.

### Lanyards



**FOR HIRE  
OR SALES**

- Various terminations available
- Standard lengths of 1-2m
- Single or twin leg
- Restraint or shock absorbing
- Manufactured to EN 361
- Supplied with a report of thorough examination.

### Fall Arrest Blocks



**FOR HIRE  
OR SALES**

- Up to 30m in length
- Webbing or wire available
- Can come with integrated recovery system
- Casing made up of high impact strength Polymer, to prevent breakage and is nearly indestructible
- x2 Swivel rotations.

### Personal Protective Equipment



**FOR HIRE  
OR SALES**

You can rely on Highsparks to provide you with Industry standard PPE.

We can provide your 5 point protection

- Hard Hats
- Goggles
- Hi-Vis Wear
- Gloves
- Boots
- Also a range of tool Lanyards available.

### Crane Safety Equipment



**FOR HIRE  
OR SALES**

Highsparks can provide safety equipment from leading manufacturers such as

- Anti-Collision and Zoning Systems
- Aircraft warning lights
- Wind Speed detectors
- Radios
- And much more...

## Lifting Accessories

### Hydraulic Cylinders



- Capacity: 5 - 1000 tonnes
- Stroke: 150 - 300mm
- Maximum pressure: 700 Bar
- Hydraulic Coupler: TBC 381F(PT3/8)
- Faster retraction under hydraulic power
- Removable plunger caps
- Can be used in multiples
- Supplied with a report of thorough examination.

### Hydraulic Pumps and Hoses



- Hand operation
- Up to 7000cc capacity
- Portable
- Can be used with manifold and multiple applications
- Various lengths of hoses available
- Various terminations
- Supplied with a report of thorough examination.

### Manifolds/Gauges



- For use with several applications
- Harmonised lifting from one pump
- Up to 6 ports available.

Can't find what you are looking for then please give us a call and speak to one of our experts.

THE FUTURE OF SAFETY CAMERAS



### Apollo M1 Camera

- Full HD Resolution
- LCD Touchscreen monitor
- Easy and Fast Installation
- Solar assisted Charging
- The First Truly Wireless Camera system
- All Weather proof

The Apollo M1 wireless camera system provides the ultimate safety assurance and enhances the efficiency of crane/plant operations by optimising site awareness, eliminating blind spots and improving communication.

The robust and low maintenance system can be installed easily on hook blocks of all cranes, and with the high-powered magnets can be installed on any plant. The high-efficiency solar battery bank powers the system for up to 7 days before any charging is required. The wireless transmission delivers instant audio/video of the load view and its surroundings directly to the touchscreen display within 500m. Full-HD monitor supports up to 4 cameras in real-time, allowing you to focus on what's important. Full SD recording for playback which records for up to 14 days, which can be extended with additional memory.

### Scarlet Windpro Wireless Anemometer

- 24/7 Online Wind Monitoring
- Historical Data Analysis
- Cloud-based Platform with Unlimited Data Storage
- Manage Worksites Smartly and Safely
- Automatically Data Logging by User Default

- Synchronized data on monitor display and web portal
- Long range transmission distance. Up to 500 m (410XB up to 1300 m)
- Extremely easy mounting with magnetic & self-leveling mounting
- 4 years sensor battery life.
- Integrated alarm & pre-alarm warning lights
- Built-in audible alarm
- 3 programmable alarm relay outputs
- Backlighted graphic LCD with large digits



# Our Promise

**HIGHSPARKS**  
An UPERIO Group Company

We always aim to deliver on our promises of excellence and reliability. Our expertise and resources ensure that you get the highest quality and value for money.

Our people possess the experience, expertise and integrity to manage your job successfully. Our Sales and Project Management staff are highly qualified and have a real understanding of your needs, the flow of a successful project, and what issues should be anticipated to avoid any delays.

At Highsparks, our commitment to our clients ensures that they receive the highest quality and service that we can offer. Expect no less of us.

We demonstrate this by being assessed and accredited by the following associations:



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