

**WOLFF Onsite**



Catalogue: **Accessories** edition 02

[www.wolffonsite.co.uk](http://www.wolffonsite.co.uk)





**WOLFF Onsite**

**Tower crane and  
construction heavy  
lifting accessory  
specialists**



# Better accessories, optimal safe lifting

For over 40 years WOLFFKRAN has been one of the leading manufacturer owned tower crane rental service providers, and by understanding the full extent of your onsite requirements to safely operate and optimise heavy lifting performance, WOLFF Onsite has chosen a comprehensive range of accessories and equipment to meet all your lifting needs, whatever the location or site conditions!



**Safer lifting best practice**



**Quality and durability**



**Versatility and value**



**Technology and innovation**

Our aim is to ensure that you, your project team and crane operators are able to achieve the maximum potential from your WOLFFKRAN tower crane, trusting in WOLFF Onsite's first class componentry to minimise risks, delays and break downs during lifting operations.

All WOLFF Onsite accessories and equipment are available to hire or purchase, please contact us with any requests that you may have, either when ordering your tower crane or at any time in the duration of your project.



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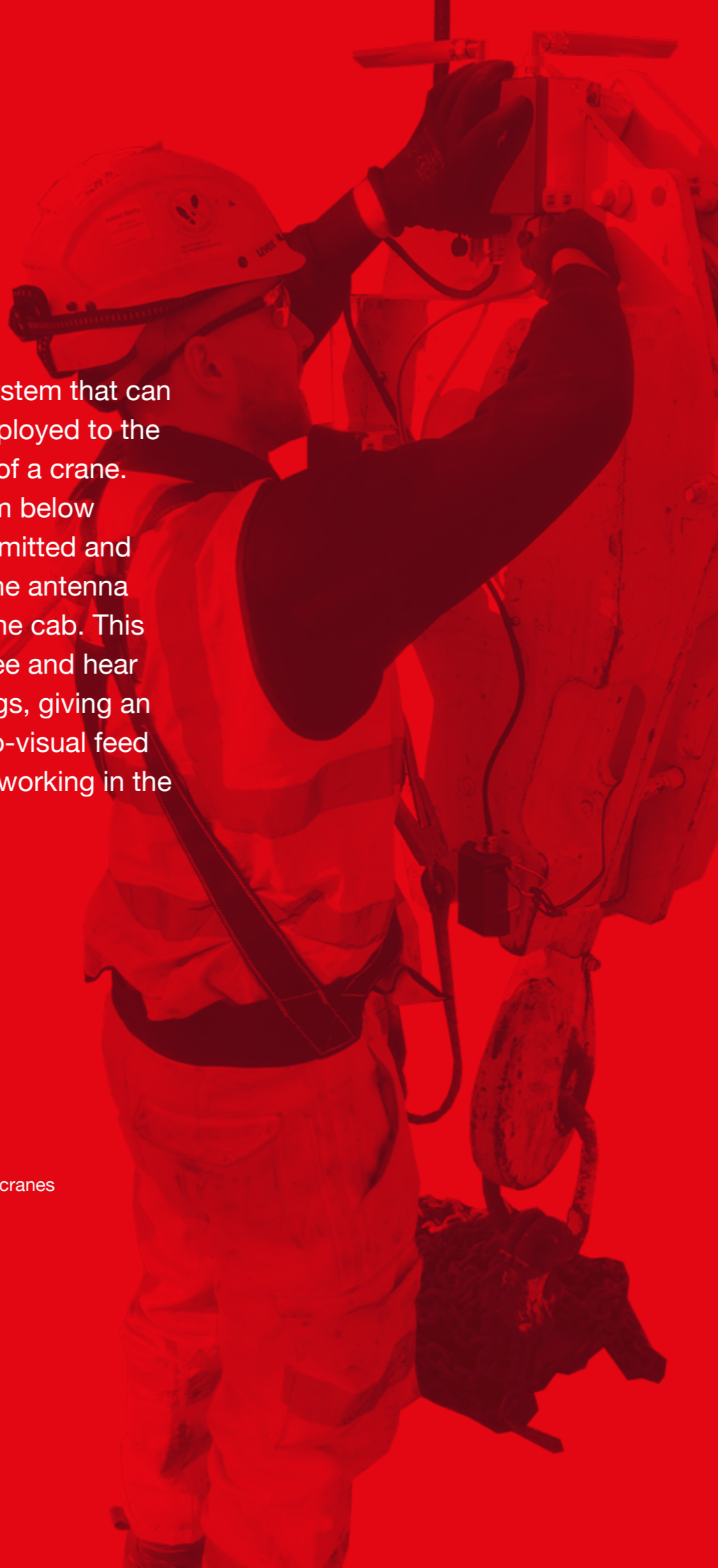
SECTION 1

# Lift safety and site protection

Blokcam is a wireless system that can be quickly and easily deployed to the hook block or boom tip of a crane. The sound and view from below the camera is then transmitted and received wirelessly via the antenna systems to a screen in the cab. This allows the operator to see and hear the load and surroundings, giving an unobstructed, live, audio-visual feed of the critical areas that working in the blind would never allow.

## Benefits:

- Reduces hazards
- Confirms load security
- Reduces the number of blind lifts
- Improves communication
- Helps reduce stress levels
- Reduces impacts and collisions
- Improves lifting times
- Compatible across a wide variety of cranes



Sensor (S4)

The S4 is a 113° wide angle lens. The low profile design, tool free operation and rotatable lens allows for easy installation on any side of the hook block including in between the cheek plates.



Transmitter (X2)

X2 dramatically improves the most important aspects of the BlokCam. The combination of performance, specification, aesthetics and 71mm low profile design make this a must for all crane operations.



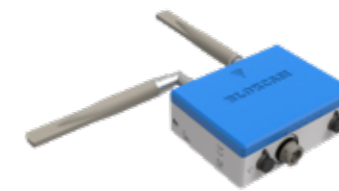
Battery (B4)

B4 is a non hazardous 19.2v Battery Pack. The clever tool-free design and easy grip finger slots makes it easy to install, remove and charge.



Charging Station (CS1)

Our Charging Station is design to improve the efficiency of your BlokCam Batteries and the performance of the camera system.



Repeater (R4)

Depending on the crane type and required installation the Repeater is mounted on the jib, boom tip or cab. The Repeater has been specifically designed for fast, wireless, telescopic deployment.



Monitor (M2)

The HD Monitor is a 10.1 inch 16:9 LCD monitor with built in speakers and a HDMI input. It has a 1280 x 800 pixel panel with automatic brightness control.



Processor (P2)

The purpose built Processor can project multiple high definition images and audio's through a single HDMI lead with less than 0.2 seconds of latency. The design of the Processor accommodates multivoltage AC and DC inputs making your BlokCam system compatible across all types of cranes. The Processor also provides power to the monitor, eliminating the need for a secondary socket or power supply.



## Illuminated Crane Sign Box



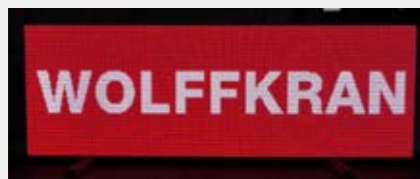
Customer branded light boxes are an excellent way to literally raise the profile of your brand.

WOLFF Onsite is able to provide you with a custom light box at a suitable mounting point, subject to crane specification

## LED Sign Box

LED customer brand/message light panels allow you to create messages and imagery (subject to complexity) above and beyond traditional rear mounted crane light boxes. Each LED light panel system has its own hard drive allowing a range of messages and content to be displayed.

Please request more information from the WOLFF Onsite team for further information and specification details



## Risks

Lifting heavy objects and payloads at height and distance is essential for the majority of construction projects.

The WOLFFKRAM Tower Crane is a vital component in ensuring the successful completion of your project on time and to budget.

Reducing risk whilst promoting optimal site lifting performance is a critical requirement across the following areas in which WOLFF Onsite has evaluated the need for specific onsite equipment and accessories.



### Communication by radio

Ensuring the crane operator and site team are aware of what is happening at all times, with designated lifting and prohibited zones clearly communicated (see pages 14-15).



### Lifting accessories

Chains/slings, skips and cages to meet the demands of a busy site under pressure. Using the right equipment is as essential as not taking short cuts, risking personnel, equipment and materials (ask about our express delivery service).



### Training courses

Improve the operational capability and understanding of your teams on site. A well-trained team aware of what is required can not only reduce risks, but contribute to time reduction on site with a better, more effective lifting strategy.



### People transportation and rescue

Tower crane sites vary in location, size and layout, with many projects featuring high-rise blocks and cores requiring workers to operate at height. Very occasionally rescue equipment is needed, so having the right safe personnel transportation and equipment is not only a legislative requirement, but can also save lives.



### Preventing intruders and site equipment theft with anti-climb and alarm devices

The tower crane is one of the most valuable pieces of equipment on a construction site. They are frequently targeted by 'dare devil' trespassers risking death, injury and the consequential shut down of sites, with damage and theft costs adding to the project overhead.



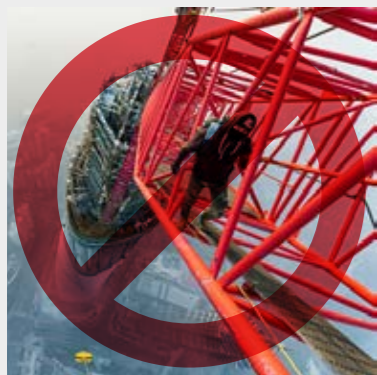
## Intruder alert alarm system

Maintaining your crane security is paramount to ensuring public safety and smooth operation of the project at hand. WOLFF Onsite have developed a digital radio Anti-Climb Detector System to supplement the physical barriers systems on the market.

Our system is based on the highly durable Motorola MOTOTRBO platform for telemetry and consists of two high power IP57 infrared beacons that are strategically mounted to the crane's internal climbing tower, crossing over to form an infrared matrix.

If an intruder climbs the crane unauthorised, either internally or on the outer side of the tower, the IR matrix will be breached, automatically activating an audible alarm to the radio system on the ground. This radio will also receive an SMS, which is clearly visible on the radio display and will indicate which crane has been breached.

A 10w loudspeaker is installed inside the crane tower, which will receive voice transmission from the radio system on the ground, thus warning the intruder that they have been identified and action has been taken. A simple upgrade will allow external text messaging, email alerts and a recorded voice message, should off-site monitoring be required.



Deter and prevent intruders from being tempted to climb your tower crane, reducing damage and potential insurance losses



### Climb deterrent device

This device is a security measure designed to deter unauthorised climbers on the crane. The trapdoor hatch located on the ladder denies any access via the ladder and the panels around the outside of the tower section deny any access around the outside.



### Base enclosure climb deterrent

A security measure designed to deter unauthorised climbers or trespassers around the base of the crane. Available at either 3m or 4.5m high with a key lock door system.



SECTION 2

# Radio Equipment

## WOLFF Onsite Digital Hands-free Crane Radio System

Safely keeping in contact with your mobile workforce in the key to a crane operator's success. In order to enhance crane to ground communications, WOLFF Onsite has developed a digital hands-free radio application that is installed within the cab of the crane.

The hands-free radio system allows the crane operator to fully concentrate on crane operations, whilst maintaining contact with their lifting team, critical for safe lifting operations. The crane radio set-up, which employs a Motorola platform and utilises digital DMR radio technology, offers crystal clear radio transmissions and increased radio coverage, whilst reducing interference from background noise.

The crane hands-free radio system is available in two forms; a single and double. The double option is for multiple cranes on-site where a 'crash' emergency radio system is used independently and two separate radios are required.



## Hand Held Radio



The DP4400 portable radio delivers unrivalled voice and data communications with optional integrated GPS and Bluetooth. This feature-rich radio delivers best-in-class audio that includes Intelligent Audio and customizable voice announcements for status notifications.

**Features:**

- VHF (136-174MHz); UHF1 (403-527MHz)
- 32 channels
- Large, textured push-to-talk button for ease of use
- 3 programmable buttons to improve ease-of-use and increase operator efficiency
- Tri-colour LED for clear visual feedback on radio operating status
- Emergency button to help ensure rapid response to critical incidents
- Quick, easy-to-use Group, Individual and All-call capability
- Digital Phone Patch capability
- Sophisticated Emergency Calls help ensure employee safety
- PTT ID helps improve communications efficiency and system discipline
- Remote Monitor features help ensure employee safety and enable fast assessment of remote user status
- Elegant channel scanning schemes help ensure calls are received first time every time
- Privacy Features
- VOX Capability
- Transmit Interrupt
- Lone Worker
- Intelligent Audio allowing the radio volume to automatically adjust to compensate for background noise.

## Base Repeater XPR 8400



Combining the best of two-way radio with digital technology, MOTOTRBO delivers increased capacity, exceptional voice quality, enhanced battery performance and integrated data communication via the industry's largest third party application developer program. MOTOTRBO is built to the globally recognized ETSI DMR Tier 2 standard

**Features:**

- Reliable Performance
- TDMA Digital Technology
- Easy Installation
- Transmit Interrupt
- Repeater Diagnostics and Control
- SCADA Solutions
- Digital Telephone Interconnect
- Connect Plus
- Capacity Plus
- IP Site Connect
- Dynamic Mixed Mode
- IP Repeater Programming

## Hard Leather Carry Case

*with 3" Fixed Belt Loop for Display Radio*



- Material: Hard Leather
- Attachment Type: Belt Loop
- Belt Swivel: N
- Display/Non-Display: Display



## SECTION 3

## Lifting essentials

Safe, high performance  
lifting essentials

Every lifting operation is different, with many sites employing a wide range of materials, from bricks to blocks, from steel to 'soft and fragile' items, and the most valuable of all – your workforce.

Most essential lifting accessories can be specified across a range of variants, and all are available to hire or buy subject to availability and manufacturers right to vary technical characteristics.

Self levelling brick forks  
2000kg SWL (c/w net)

Designed to provide maximum flexibility when moving bricks and palletised goods around site, the self-levelling brick forks are fitted with a heavy duty sprung lifting eye to allow automatic levelling of any load. The unit also comes supplied with net hooks to enable the addition of a load restraint safety net.



## Pod lifting frames

POD lifting frames are the ideal safe and secure way to lift modular units from vehicles and around the site. Available in a range of sizes and configurations. Please ask the WOLFF Onsite team for more information





SECTION 4

Shackles, slings and chains

**WOLFF Onsite** Steel bow shackles are part of our mainstay equipment range, and have been sourced and utilised by WOLFFKRAM for 40+ years due to their high quality manufacture and longevity.

Shackles and slings

Lifting essentials to meet the majority of your site needs

Bow Shackles



Available in capacities of 1/3 tonnes to 55 tonnes.

- 1/3t
- 1/2t
- 3/4t
- 1t
- 1-1/2t
- 2t
- 3-1/4t
- 4-3/4t
- 6-1/2t
- 8-1/2t
- 9-1/2t
- 12t
- 13-1/2t
- 17t
- 25t
- 35t
- 55t

D Shackles



Available in capacities of 1/2 tonnes to 55 tonnes.

- 1/3t
- 1/2t
- 3/4t
- 1t
- 1-1/2t
- 2t
- 3-1/4t
- 4-3/4t
- 6-1/2t
- 8-1/2t
- 9-1/2t
- 12t
- 13-1/2t
- 17t
- 25t
- 35t
- 55t

Duplex webbing sling



Duplex slings are lightweight, flexible, and easy to handle. The polyester slings are soft to touch, which helps protect items that are being lifted. The products are colour coded to easily determine its load capacity and other factors.

We offer slings in 12 lengths, ranging from 1 to 12 meters. All these are available in 12 load capacities, from 1 to 12 tonnes.

Round Webbing Slings



Round / Endless slings are made from high-tensile polyester fibre and are a continuous loop. It can be used in basket hitch, vertical, and choker applications. The products are colour coded to easily determine its load capacity and other factors.

We offer slings in 12 lengths, ranging from 1 to 12 meters. All these are available in 12 load capacities, from 1 to 12 tonnes.





**WOLFF Onsite** chains and hooks are made to our unique specifications, born from experience and an extensive understanding of individual customer requirements. Chains are an asset that, when maintained properly, can provide many years of valuable service.

We supply a wide variety of heavy-duty lifting chains and slings in a range of sizes, to meet a wide variety lifting purposes.

All chains are supplied in a multi-pack of three:

- Single leg
- 2 leg
- 4 leg chains

Each chain configuration is fitted with a toughened steel spring loaded latch hook, and is available as an individual item; bespoke lengths and capacities can also be provided.

### Chain packs

- Chain Pack Small (suitable for small sized cranes)
- Chain Pack Medium (suitable for medium sized cranes)
- Chain Pack Large (suitable for large sized cranes)
- Chain packs can be bespoke to suit any lifting requirements on site.

### Chains



**Single Leg Chain Slings**

Available in sizes from 1.5t to 40t. See table below for more details.



**2 Legged Chain Slings**

Available in sizes from 1.5t to 56t. See table below for more details.



**4 Legged Chain Slings**

Available in sizes from 2.24t to 85t. See table below for more details.



**Chain rack**

Our chain rack is designed to keep lifting gear organised, clean and secure. This rack is also fitted with a secure box at the base for the security of smaller components, and standard fork pockets and crane lifting shackles for manoeuvrability around sites.

Chain Dia. mm	Grade	90°	β		β		Endless
		Single Leg	Two Leg		Three and Four Leg		
		Factor 1	0° < β ≤ 45°	45° < β ≤ 60°	0° < β ≤ 45°	45° < β ≤ 60°	
7	8	1.5	2.12	1.5	3.15	2.24	2.5
7	10	2	2.8	2	4.2	3	3.2
8	8	2	2.8	2	4.2	3	3.2
10	8	3.15	4.25	3.15	6.7	4.75	5
10	10	4	5.6	4	8.4	6	6.4
13	8	5.3	7.5	5.3	11.2	8	8.5
13	10	6.7	9.5	6.7	14	10	10.7
16	8	8	11.2	8	17	11.8	12.5
16	10	10	14	10	21.2	15	16
19	8	11.2	16	11.2	23.6	17	18
19	10	14	20	14	30	21	22.4
23	8	16	23.6	16	35.5	25	26.5
23	10	21	29.5	21	44	31.5	33.5
26	8	21.2	30	21.2	45	31.5	33.5
26	10	27	38	27	57	40	43
32	8	31.5	45	31.5	67	47.5	50
32	10	40	56	40	85	60	65



SECTION 5

Beams, lugs and skips



Lifting beams

Bespoke lifting beams available to suit any lifting needs, including spreader beams, multi-point lifting beams, and counterbalance lifting beams.



Boat skip



The Boat/Rock skip is used for the transport materials and the removal of waste materials on site. These specially designed skips allow you to load materials, transport materials and then unload materials using a tipping action.

Column concrete skip



Designed to transport concrete and allow concrete to be poured into columns or shuttering with narrow or difficult access.

Container lifting lugs



Specifically designed to lift a range of containers using either wire rope or chains. Set of 4, simple locking mechanism for use with bow shackles



## SECTION 6

## Cages

Cages keep both the items and occupants safe at all times, reducing the need or requirement to improvise on site, maintaining the safety of you and your people whilst ensuring peak operational performance.

### Gas bottle cage – 6 bottles



Designed to ensure the quick and safe transportation of gas bottles, this cage ensures that onsite health & safety standards are maintained throughout the course of projects.

### Goods carrying cage – 1500 SWL



A safe, convenient method of transporting materials to and from high or low level. Sturdy construction with a front gate for easy loading and 1m high full mesh for security. Fitted with four fully tested lifting lugs. Fork pockets are fitted as standard.

### Pallet lifting cages



WOLFF Onsite pallet lifting cages are robust with generous load and volume capacities, designed to eliminate the need for safety nets and crane forks, making the lifting of all palletised goods safer.

Our Pallet lifting cages are designed with ease of use in mind, and the unit benefits from a dual position double door, load lifting forks with a lockable storage function, full length positioning handles and safety screw pin bow shackles.

### Goods carrying cage – 3000 SWL



A safe, convenient method of transporting materials to and from high or low level. Sturdy construction with a front gate for easy loading and 1m high full mesh for security. Fitted with four fully tested lifting lugs. Fork pockets are fitted as standard.



## SECTION 7

## People Carriers

A key requirement of any operational construction site is a facility for the safe and speedy transfer of personnel to/from areas of the site that may be difficult to reach by other means.



### Personnel carrying basket – 2 and 4 person (c/w chains)

Used for the transport of a person or persons around the site, this is especially useful for transporting to a raised area where it may not be practical or suitable to get to otherwise. 2 and 4 person models are available on request.



### Emergency Rescue Stretcher Carrier

A safe, secure method for transporting immobilised or injured personnel. Available with or without emergency stretcher.



## SECTION 8

## Operator Rescue

## Operator rescue system

The rescue system is made up of standard rescue equipment conforming to relevant European standards. The equipment is certified for use for 3 years. When this time expires or the system is used, it is sent to Heightworks for re-certification.

- The lowering bag contains all equipment necessary to extract an operative from the crane cab and lower to ground level.
- The tag line contains rope and connectors and can be used to help limit the effect of wind and obstacles to the descent.
- Stretchers can be used for enhanced casualty care (further training required).

## Operator rescue training

Wolffkran offer a two-day course for rope rescue solutions, designed to meet your specific requirements utilising established methods for lifting or lowering a casualty from a tower crane. Our rescue systems are currently in use on a wide variety of structures spanning many industries. Simplicity of use combined with specific training makes it easy to achieve a component onsite rescue provision. This provides a vital link between your workforce and the emergency services.

## Who should take the course?

All personnel who may be able to offer a first response to a tower crane operator who is in need of assistance at height.

## Course Aim:

To provide knowledge and education in the safe use of rescue equipment. To provide competency in using the tower crane operator rescue system.

## Course Content

**Day 1:** Work at height training & tower crane familiarisation.

**Day 2:** Tower crane operator rescue training.

## Assessment and Certification:

Delegates will complete a written questionnaire and practical ability will be continuously assessed.



## Crane operator rescue climber's kit

In the rare event that a crane operator is incapacitated and requires rescue, the rescue climbers kit is an essential low cost piece of equipment that should be on every tower crane site.

## Contains:

- 2 x harnesses
- 2 x 1m fall arrest lanyards
- 3 x helmets
- 1 x rescue bag c/w karabiner

## Operator rescue package

This rescue system utilises a Rescue Genie winch to create an approximately 6:1 mechanical advantage to significantly reduce the load of any operator casualties, allowing for a controlled descent from height.

## Contains:

- 120cm anchor strop
- Aluminium locksafe karabiners
- Rescue genie winch
- Petzl I'D Descender
- Petzl Fixe Pulley
- 11mm low stretch rope
- Rescue harness
- Kit bag or weather resistant storage container
- 6mm tag line



## Lift planning and consultancy

**WOLFF Onsite** lift planning and consultancy provides a comprehensive range of planning with the aim of providing your people with the best possible technical knowledge required to effect safe high performance lifting operations on site, supported by a range of accreditations and compliance certifications.

All lift planning is provided by a combination of our in-house WOLFF engineering, technical, operational and safety experts, working to our standards of operational excellence to meet and exceed legislative and compliance requirements.

### Pre project

Planning tower crane operations and providing for all requirements on site, including crane model and specification, location, enabling logistics and project planning to provide the most efficient and time functional scope of works

### Better lift guide

Each lift needs to be planned with the guide detailing legal and safety compliance requirements and the best way to minimise downtime, errors to ensure productivity and timely project adherence. Method statements and processes detailed for the customer operational teams across all aspects of the project

### One offs

Specialist lift consultancy to meet yours and your customer requirements, covering a range elements and dynamic factors, from site location, layout, materials and build programme specific requirements. Please enquire for further information



# Training



## Crane operator

Master classes in crane operation conducted by the WOLFFKCRAN team based upon their detailed experience of WOLFF TOWER Crane operation.

Getting the best out of each WOLFFKCRAN Tower Crane, understanding the unique operational capabilities of each WOLFFKCRAN crane and the reason why that they are the preferred operator's choice.

## Project team courses

A tower crane represents the biggest investment on a construction site, and the one most likely to make the biggest operational impact on project timings and efficiency.

Understanding safer working practices and team involvement is the key to success, with the WOLFF training team able to tailor the content around individual customer processes/KPIs and SLAs

## Qualifications

The experienced WOLFF Training team supports specific lifting requirements and needs, helping your team to achieve accreditations and recognised qualifications across specific modules.

NB Please note that WOLFF Training courses are very popular, making timely booking to avoid disappointment

## Contact

**Jonathan Parker**  
Training Manager  
Mobile: 07717 200 610  
Tel: 01709 559668  
Email: j.parker@wolffkran.com



Robert Lennon, WOLFFKCRAN Southern Trainer, and the Kilnbridge team following a successful lift management training course.



## Guide to planning & ordering

### 3 step process

1.

Tower crane specification and order / Ordering independently at any stage of project

2.

Check inventory and requirements

3.

Delivery with check to ensure correct accessories delivered

#### Terms & Conditions

All crane & services detailed in this brochure are offered under the Contractors Plant Hire Associations Model Conditions for hiring plant (with effect from 2011), together with the CPA Supplementary Conditions applicable to tower cranes, HTC WOLFFKLAN notes for guidance of tower cranes, and HTC WOLFFKLAN scope of supply. If you need copies of these documents, please contact us.

Payment of the company's charges shall be made by the hirer with an approved credit account no later than 30 days after the date of either a) each application for payment, or b) each invoice, the 30 days being counted from whichever document is dated earliest. If any sum remains unpaid after the due date, the payment of all charges, no matter how recent, shall become due immediately.

Choose WOLFF Onsite accessories with complete confidence to ensure each and every lift is possible in the safest, most efficient way...





## WOLFF Onsite

### Contact

#### Accessories

**Elliott Simpson**

Lifting Accessories Manager

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07796 548 161

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