

SLINGING, RIGGING AND LOAD SECURITY

ACTIVITY RAMS — ADAPT TO SITE BEFORE USE

Sling angles · load weight and centre of gravity · edge protection · falls while slinging · trial lift

KD-RA-PL-001 Rev A0

Statutory basis: LOLER 1998 reg 8 for planning, supervising and carrying out the lift safely, and reg 9 for thorough examination of lifting accessories; PUWER 1998 regs 4 and 9 for suitable equipment and trained users; BS 7121-1:2016 for the written lift plan and the Appointed Person; CDM 2015 regs 13 and 15. This document is the recorded safe system of work required by HSWA 1974 s.2(2)(a) and MHSWR 1999 regs 3 and 5.

1 DOCUMENT AND PROJECT IDENTIFICATION

RAMS REFERENCE	PROJECT / SITE REF	SITE NAME AND ADDRESS	DATE PREPARED	NEXT REVIEW DATE
CLIENT / PRINCIPAL CONTRACTOR	PLANNED START	DURATION	OPERATIVES	SUPERVISING THE WORK

2 SCOPE OF WORKS

Rigging lifting accessories to a load for crane, hoist or telehandler-with-jib lifts: establishing the load weight and centre of gravity, choosing the hitch and sling configuration, allowing for sling angle, protecting slings from edges, securing loose and bundled materials, and the trial lift before the load travels.

This document does not cover: the lift plan and crane operation (KD-RAMS-PL-003), signalling the lift (KD-RA-PL-002), pre-use inspection and quarantine of accessories (KD-RA-PL-005), and tandem or engineered lifts, which need a lift-specific plan from the Appointed Person.

SITE-SPECIFIC SCOPE, LOCATIONS AND LIMITATIONS

3 RISK ASSESSMENT — SCORE EACH RISK FOR THIS SITE, THEN ADD WHAT IS MISSING

The hazards and controls below are the starting point for this activity, written by a working main contractor. They are not complete for your site until a competent person has scored each risk, added the site-specific hazards, and struck out anything that does not apply. Rate risks High / Medium / Low before and after controls.

1. Load weight or centre of gravity misjudged — overload or a tilting load

At risk: Slingers, everyone in the lift path

Controls: Weight taken from the delivery note, the manufacturer's marking or the lift plan — never estimated by eye; no known weight, no lift, and the Appointed Person is told. Lifting points set so the centre of gravity sits below and between them; offset loads rigged so the load hangs level at the trial lift.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

2. Sling angle reducing the capacity of a multi-leg set

At risk: Slingers, those below

Controls: The capacity of a multi-leg sling falls as the angle between the legs opens. The capacity used is the one marked on the sling or its rating table for the angle actually rigged — never the single-leg vertical figure; longer legs or a spreader beam where the angle would go outside the marked range.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

3. Falls while slinging — from lorry beds, stacked loads and the load itself

At risk: Slingers

Controls: Loads slung from the ground or from an edge-protected platform wherever possible; nobody stands on the load being lifted or walks along stacked loads; slinging at height only from the platform the lift plan names — where there is no such platform, the lift does not go ahead.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

4. Slings cut or crushed on sharp edges

At risk: Slingers, those below

Controls: Edges of steel sections, precast units, kerbs and banded packs protected with purpose-made edge protectors or sleeves before a sling bears on them; any sling that has borne on an unprotected edge is taken out of use and reported.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

5. Loose or bundled materials falling out of the load

At risk: Everyone under the lift path

Controls: Loose items lifted in a purpose-made cage, stillage or skip with the load below its rim; brick and block packs in a brick cage, never slung; pallets lifted on pallet forks fitted with a restraining net or cage wherever anything could fall; banding used as a lifting point only where the supplier states it is designed for lifting.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

6. Wrong hitch or accessory for the load

At risk: Slingers, those below

Controls: Hitch and accessory chosen for the load as the lift plan states; choke hitches used at the reduced capacity the sling marking or manufacturer gives; shackles loaded in line with the pin fully home and moused where it could unscrew; eyebolts loaded only in the direction the manufacturer permits.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

7. Hands trapped as slings tighten, and loads slipping or spinning once lifted*At risk: Slingers, those below*

Controls: Hands off slings, hooks and the load as slack is taken up; tag lines, not hands, to guide and stop rotation; trial lift just clear of the ground, lowered to re-rig if anything moves; landing positions prepared with bearers so slings draw out without lifting by hand; loads never left suspended unattended.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

8. Untrained slingers, signallers or makeshift rigging*At risk: Slingers, everyone near the lift*

Controls: Slinging and signalling only by persons trained and assessed for the role, with the card (CPCS, NPORS or equivalent) checked before start; home-made accessories, knotted slings and improvised lifting points are never used.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

Site-specific hazards not listed above — every site has at least one:

HAZARD	WHO IS AT RISK	CONTROLS	INITIAL H/...	RESIDUAL...	ACTION OWNER	BY WHEN

4 METHOD — SEQUENCE OF WORK

1. Read the lift plan for the load: weight, lifting points, specified accessories, slinging position and landing position. Stop if the weight is unknown.
2. Draw accessories from the store that are marked with their safe working load and identification, in date for thorough examination, and pre-use checked (KD-RA-PL-005).
3. Sling from the ground or the platform the lift plan names; never stand on the load or walk along stacked loads.
4. Establish the centre of gravity and lifting points; confirm the rigged angle is within the sling's marking or rating table.
5. Fit edge protection; rig with the hitch the plan states; seat shackle pins fully; put loose materials into a cage, stillage, skip or netted pallet forks.
6. Attach tag lines; clear everyone from under and beside the load; hands off as the slack is taken up.
7. Signal a trial lift just clear of the ground; check level, slip and security; lower and re-rig if anything moves.
8. Only then signal the load to travel; slingers stay out of the load path.
9. Land onto prepared bearers; release slings only when the load is stable and supported.
10. Stop the lift if the weight is in doubt, an accessory is damaged, the planned angle cannot be achieved, slinging would mean standing on the load or an unprotected lorry bed, or wind or visibility is outside the lift plan's limits.
11. Return accessories to the store and report any damage so the item can be quarantined.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

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5 PLANT, EQUIPMENT AND MATERIALS

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|--|--|
| Slings, chains and shackles marked with safe working load and identification | Spreader beam where the lift plan specifies |
| Edge protectors and sleeves | Edge-protected slinging platform where loads are slung at height |
| Brick cages, stillages, lifting skips and netted pallet forks | Tag lines, bearers and timber packing |

INSPECTION / THOROUGH EXAMINATION REFS	COSHH ASSESSMENT REFS

6 PPE — THE LAST LINE OF CONTROL, NOT THE FIRST

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|-----------------|---------------------|--|
| Head protection | Gloves — task-rated | Rigger gloves when handling wire rope and chain slings |
| Safety footwear | Eye protection | |
| High visibility | Hearing protection | |

RPE TYPE, FACE-FIT STATUS, AND ANY OTHER PPE REQUIRED

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7 PERMITS REQUIRED BEFORE THIS WORK STARTS

A permit authorises this work in that place, on that day. It extends the safe system of work in this document — it does not replace it (HSE HSG250). The site issues the permit; record its number before work starts.

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continued

KD-RA-PL-001 Rev A0

KD-PTW-LO-008 — Lifting Operations Permit

Every lift rigged under this document runs under the permit and lift plan.

PERMIT NUMBER

8 EMERGENCY ARRANGEMENTS — COMPLETE FOR THIS SITE

FIRST AIDER AND LOCATION	NEAREST A&E	ASSEMBLY POINT
HOW THE ALARM IS RAISED	EMERGENCY ACCESS FOR THIS WORK AREA	SPILL / ENVIRONMENTAL RESPONSE

9 BRIEFING RECORD — EVERYONE WORKING UNDER THIS RAMS SIGNS BEFORE STARTING

By signing you confirm the contents of this RAMS have been explained to you, you understand the hazards and controls, and you will work to the sequence stated. Tell the supervisor if the work or the site does not match this document — work stops until it does.

NAME	COMPANY	SIGNATURE	DATE

10 PREPARED AND ACCEPTED

Prepared / adapted for this site by — I confirm I have adapted this document to the site, scored the risks, and that it describes how the work will actually be done.

PRINTED NAME	ROLE / COMPETENCE	COMPANY	SIGNATURE	DATE	TIME

Accepted for the site by — principal contractor or site manager review.

PRINTED NAME	ROLE	COMPANY	SIGNATURE	DATE	TIME

Review this RAMS if the work, the site or the law changes, and at least before each new phase of the works. Flatten the completed PDF before filing so the record cannot be silently edited.

R REVISION HISTORY

Every revision of this document, and every review that found nothing to change. The revision on the front of this sheet is the one you are holding — check kubitdocs.com for the current one before use.

Rev	Date	Class	What changed	Authorised by
D0	2026-09-11	first-issue	First issue.	— not yet approved —
A0	2026-09-11	review	Approved for issue by the author. Content unchanged from the reviewed draft; the draft status strip is removed. No independent third-party review has been carried out.	Author — director, UK principal contractor, SMSTS. Not an independent review.

Class: first-issue · material (the law, a control, a field or the scope changed — past buyers are notified) · editorial (wording or layout only) · review (checked, nothing changed) · withdrawal. Revision prefix D = draft, not approved and not for sale; A = approved for issue by the person named, on the date shown.