

#### When to use

#### Important: Attach to completed JSA

# For lifting / hoisting of heavy equipment / materials and Critical Lifts:

Using lifting devices: mobile crane, truck mounted crane

1	Using straps or chains to lift with excavator  1 checklist is required per day for repe	or, backhoe, skid			lift				
Site location: Date:					:				
Liftin	g contractor:		License e			expiry:			
Desc	cription of work:								
	l weight (max load weight radius for group of lifts:				Crane's rated capacity at lift radius:				
Nam	e of critical lift plan approver:		Foreca	sted l	ted local wind speed:				
	t could go wrong?								
	ours BEFORE work begins   Determin								
Use	se the <b>Critical Lifting Critical Checklist</b> if any of the following apply:  Safety factor less than 25% (exceeds 75% of crane/excavator capacity)  Safety factor less than 50% when lifting over critical lines/aguinment						ge	Minimum Clearance	
							0k	4.0	
	☐ Safety factor less than 50% when lifting over critical lines/equipment ☐ Swing arc of boom does not meet minimum clearance for high voltage							5.0	
	lines or conductors (refer to chart)						00k	6.0	
	Lift weight is greater than 5 tonnes (5,000 kg)						k	7.0	
	Lift requires an engineering study with specifications & drawings per local regulations					To establish OH&S safe limits of approach to power lines, employers must consult the owner of the electrical utility system prior to any work			
$ \Box$	Lift requires two cranes								
Dor	ay of the above apply, create a <b>Critical Lift</b> Ine ☑  Elevation view drawing  Boom lengthm and lifting radius  Maximum load during lifting procedure  Minimum boom clearances (load, obstruct  Plan view layout of lift zone  Initial/final lifting position and radius	m tonnes ions, or power lii	nes)	m	1			Lift Radius	
	Location of the crane(s), including tail-swir Lift analysis including calculation of crane Abort plan for emergency situations to brir in a safe manner	capacity at lift ra	idius	9		d	4.3		





## BEFORE work begins | Complete all steps on page 2



# STOP if not clear how to do the work Equipment Lifting | Critical Checklist



### **BEFORE work begins | Complete all steps**

Done ☑									
1. Operator is trained, competent, with valid lifting device	Operator is trained, competent, with valid license, in safe operation of crane or lifting device								
	Confirm adequate space for lift layout and swing radius, considering the load, crane capacity/ configuration and any hazards								
<ul> <li>3. Crane(s) located at correct position, wor sideways obstructions</li> </ul>	Crane(s) located at correct position, work area is free from overhead and sideways obstructions								
	xclusion zones are established and clearly marked, lift area and swing radius stablished and barricaded, traffic controls are in place								
fully extended and blocked, and position	Lift equipment is supported on a firm, stable base or foundation, outriggers fully extended and blocked, and positioned an appropriate distance from open excavation or potential underground hazard (sewers, utilities)								
appropriate for the lift, in good condition	Lift equipment / apparatus (slings/ straps/ hooks/ jibs etc.) / all riggings appropriate for the lift, in good condition, meet manufacturer's specifications, with valid certification(s) and do not exceed rated capacity								
	Equipment or material to be lifted is stable, wrapped and tied; lifting apparatus is securely fixed and balanced, pallets used are fit for purpose								
of the crane, load, or load line. If voltage	Review minimum required clearance between live electrical lines and any part of the crane, load, or load line. If voltage of electrical lines cannot be confirmed, swing radius of boom is >6 meters from high voltage lines or conductors								
9. Equipment operators have a clear view of the second secon	9. Equipment operators have a clear view of the work area								
	Dedicated signaller(s)/ spotter(s) are used and communication method with each signaller/ spotter is defined and understood								
☐ 11. Use of proper tag line(s) / guiding rope(s) for suspended loads, taking local wind speed measurements into consideration									
12. Good access and egress in case of emergency, abort lift plan available plan for emergency situations to bring the load back down to the ground in a safe manner									
13. All persons including those receiving the load and inside buildings to keep a safe distance from lifting activity (no persons under suspended load)									
☐ 14. JSA reviewed and LMRA completed immediately prior to lift									
Name of equipment operator:	Signature:	Date:							
Name of spotter:	Signature:	Date:							