

# BC Crane Safety



Friggin' Riggin'  
BCCSA Safety Series Kickoff Event  
February 27, 2026



# WHAT WE DO



# WHAT WE DON'T DO

- OHSR Enforcement
- Inspections
- Training
- Testing

# RIGGING REALITY

- Not a stand-alone occupation in Canada.
- No recognized provincial or national standard.
- **OHSR 15.2** states “rigging and slinging work must be done by, or under the direct supervision of qualified workers familiar with the rigging to be used and with the code of signals authorized by the Board for controlling hoisting operations.”



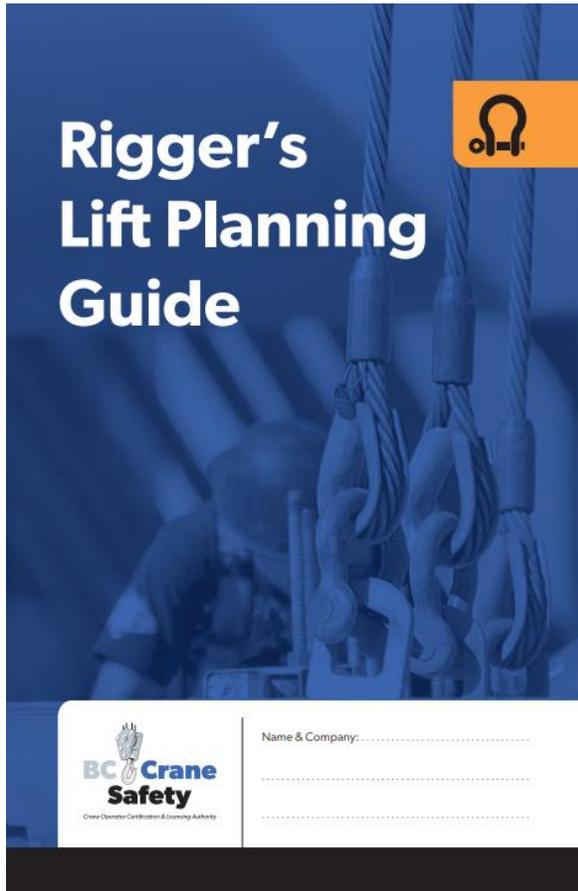
# CERTIFIED, QUALIFIED OR COMPETENT?

WorkSafeBC defines “QUALIFIED”:

“means being knowledgeable of the work, the hazards involved and the means to control the hazards, by reason of education, training, experience or a combination thereof;”



# AVAILABLE RESOURCES





YOUR COMPANY LOGO HERE      LIFT PLAN

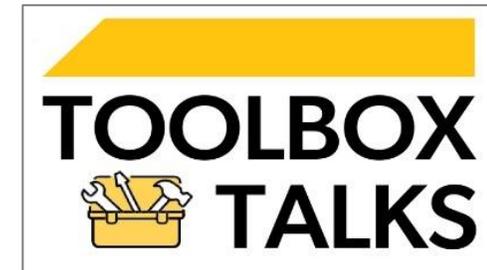
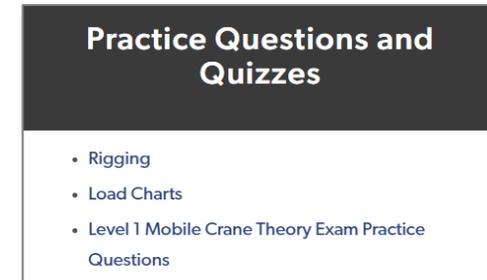
1. General Information

Project/Site Name		
Location/Address		
Date of Lift & Plan (if different)	Plan date:	Lift date:
Prepared By (Name/Role/Company)		
Crane Company		

2. Lift & Crane Description

Type of Lift     Normal     Tandem [14.42 & 14.42\(4\) Tandem lift](#)     Critical [14.42.1 Critical lift](#)

Description of Load	
Weight of Load (how was weight determined) <a href="#">14.36 Load weight</a>	
Load Dimensions: L x W x H, Diameter, etc. <a href="#">15.40 Stinging loads</a> & <a href="#">15.41 Multiple piece lifts</a>	
Lift Radius & Height <a href="#">14.5 Rated Capacity indication</a>	Radius = _____ Height = _____
Crane Type	<input type="checkbox"/> Mobile <input type="checkbox"/> Tower/Self Erect <input type="checkbox"/> Stiff/Folding Boom
Crane Capacity at Planned Lift Radius and Percentage of Capacity Crane is Working at	Capacity= _____ % of Capacity= (gross load / gross capacity -%)
Boom/Jib Length <a href="#">14.7 Boom angle indicator</a> & <a href="#">14.8 Boom extension and load radius indicator</a>	
Configuration (main boom, jib, etc.)	
Ground Conditions	
Outriggers, Pads, Foundation <a href="#">14.67 Outriggers and stabilizers</a> & <a href="#">14.69 Supporting surface</a> <a href="#">14.74 Tower crane support</a>	
Center of Gravity <input type="checkbox"/> Known <input type="checkbox"/> Marked <input type="checkbox"/> Estimated <input type="checkbox"/> Calculated (by whom):	



# REGULATORY CONSIDERATIONS

All rigging equipment properly marked for identification?

- 15.5 & 15.6 - Component Identification and Design Factor

Correct hand signals being used as per regulation?

- 15.20 - Hand Signals

All rigging gear being inspected and/or rejected as necessary prior to use?

- 15.25, 15.26, 15.29, 15.31, 15.42 - 15.60 - Rigging Gear Rejection Criteria



# RIGGING

Many sizes, types, and styles of rigging are available.

- Are riggers using the best options?
- Are the right options available for use?



Chain Sling



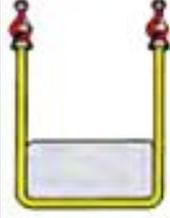
Wire Rope



Synthetic Web & Round Slings

# RIGGING HITCHES

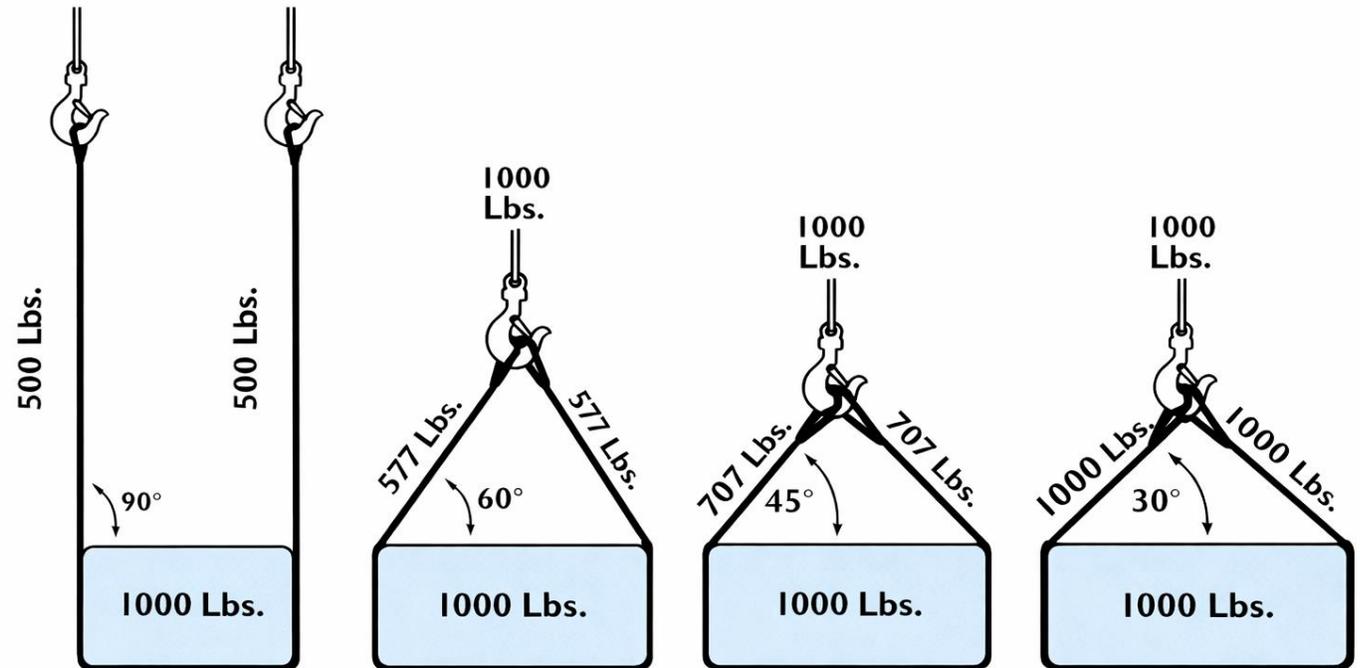
**NYLON WEB SLINGS** single ply - nylon (flat eye, twisted eye and triangle fittings)

Web Width (inches)	Working Load Limit (in pounds)					
	Single Vertical Hitch 	Single Choker Hitch 	Basket Hitch (vertical legs) 	2-Leg Bridle Hitch & Single Basket Hitch with Legs Inclined 		
				60°	45°	30°
1	1,200	960	2,400	2,000	1,700	1,200
2	2,400	1,900	4,800	4,100	3,400	2,400
3	3,600	2,900	7,200	6,200	5,100	3,600
4	4,800	3,800	9,600	8,300	6,800	4,800
5	6,000	4,800	12,000	10,400	8,500	6,000
6	7,200	5,700	14,400	12,500	10,200	7,200
				When using <b>2-leg bridle with choker hitch</b> , multiply above values by .75 When using a <b>double basket hitch</b> , multiply the above values by 2.		

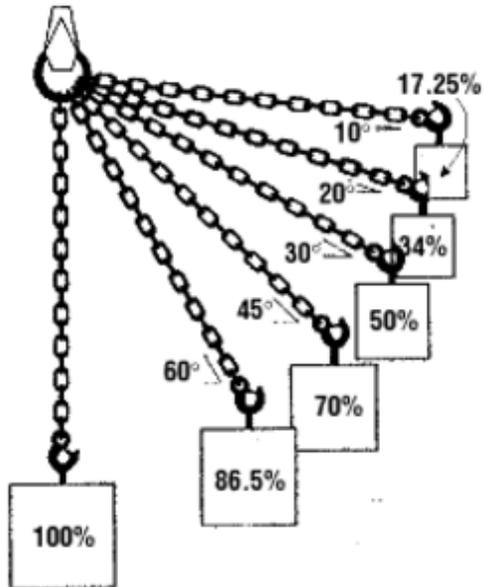
- Does this chart look familiar?
- Can riggers identify each hitch type?
- Do they know how to calculate capacity?
- Is the correct hitch being selected for the lift?

# SLING ANGLES & TENSION

- Do riggers understand how tensions *increase* as sling angles *decrease*?
- Are riggers considering sling angle when making a rigging selection?



# RIGGING DILIGENCE - WHAT CAN YOU DO?



- Have the right equipment
- Get the RIGHT training!
  - Fundamentals, Advanced, Turning & Drifting, Master Rigger
  - Theory and practical training mix
- Sub-contractors
  - What does their rigging program look like?
- OHSR Part 15
  - Know and understand key components

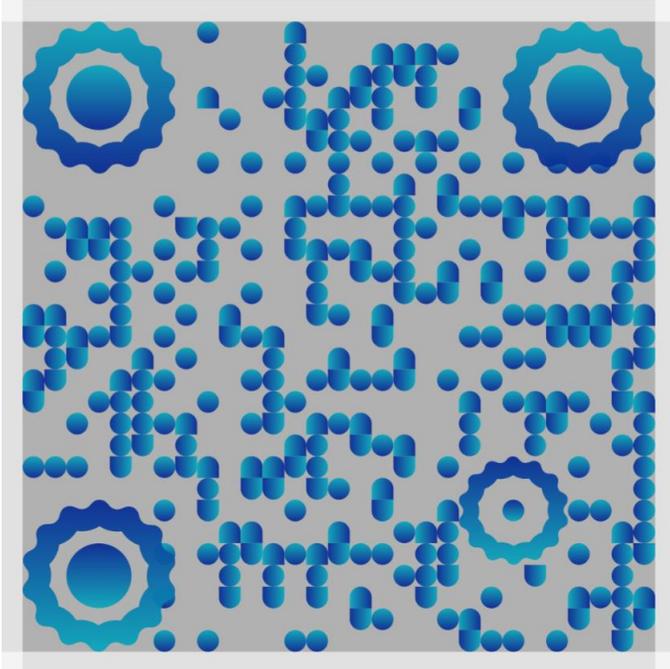
\*Ensure worker rights are being followed and supported

# INDUSTRY ACTION – CHANGES ARE COMING!

- Provisional certification exam raised from 23 to 40 questions to include more comprehensive rigging questions
- WorkSafeBC in the process of drafting **rigging competencies** and opening up Part 15
- Industry groups of educators, regulators, and subject matter experts meeting **interprovincially**



# HOW TO REACH US



- [www.bccranesafety.ca](http://www.bccranesafety.ca)
  - Sign up for our NEWSLETTER & view our resource library- Toolbox Talks, SWP's, Bulletins, etc.
- Email: [info@bccranesafety.ca](mailto:info@bccranesafety.ca)  
[jen@bccranesafety.ca](mailto:jen@bccranesafety.ca)  
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Feedback makes us better – reach out anytime!