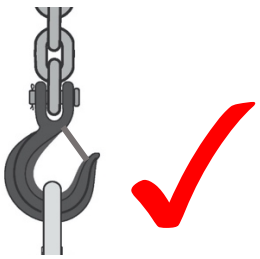
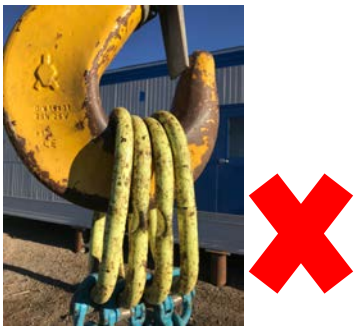
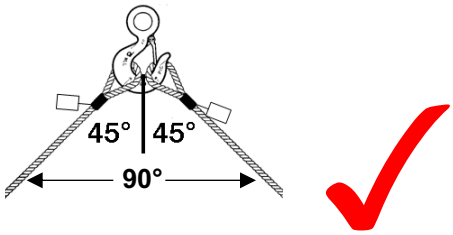
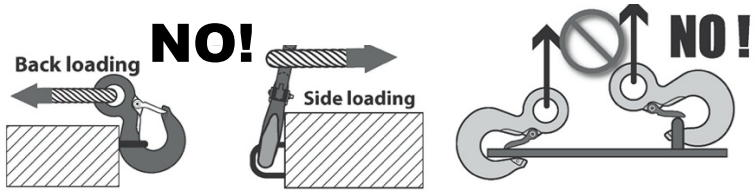
RIGGING RESOURCE CENTRE

HOOKS
Tool Box Talk

The objective of this Tool Box Talk is that it can be used as part of a safety meeting that focuses on the use of Hooks in the workplace. The ASME B30.10 standard has been referenced when compiling this document as this is the most recognized standard used in North America for selection, inspection, cautions to personnel, effects of environment, and rigging practices of hooks.

Ask members of the meeting to give answers to the following, encouraging participation whether their answers are right or wrong.

LEGISLATION	ANSWER
1) WHAT STANDARDS SHOULD THE HOOK COMPLY WITH?	**ASME B30.10 standard.**
2) WHAT OTHER INFORMATION MUST BE REFERENCED?	**Manufacturers Specifications**
3) HOW OFTEN DO PERIODIC INSPECTIONS NEED TO BE CARRIED OUT?	**At least annually (ASME), *but state what your company rules are.***
MARKINGS	**ANSWER**
4) WHAT 2 ITEMS ARE REQUIRED TO BE MARKED ON THE HOOK?	**1. Manufacturer's Identification, 2. Rated Load Indication.**
APPLICATION	**ANSWER**
5) WHAT ARE THE TEMPERATURE RANGES FOR THE HOOK?	**Minus 40 to plus 204 Celsius.**
6) NAME SOME REASONS WHY THE HOOK MAY HAVE TO BE REMOVED FROM SERVICE? 	**1. Missing or illegible identification,** **2. Missing or illegible rated load identification,** **3. Excessive pitting or corrosion,** **4. Cracks, nicks or gouges,** **5. Excessive wear,** **6. Deformation,** **7. Excessive throat opening,** **8. Inability to lock,** **9. Inoperative latch,** **10. Damaged, missing, or malfunctioning hook attachment and securing means,** **11. Thread wear, damage, or corrosion,** **12. Evidence of excessive heat exposure or unauthorized welding,** **13. Evidence of unauthorized alterations or modifications.**
7) HOW MUST THE LOAD SIT IN THE HOOK? 	**Hooks must be in-line loaded with the load sat in the base of the hook.** 

8) HOW MUST MULTIPLE SLINGS BE ATTACHED IN THE BOWL OF THE HOOK? 	**Only two slings should be attached to a hook and sit in the base of the hook. The included angle between the slings must not exceed 90 degrees, and not be more than 45 degrees from the hooks' centerline.** 
9) CAN A HOOK BE SIDE LOADED, BACK LOADED OR TIP LOADED? 	**Hooks cannot be side loaded, back loaded, or tip loaded.** 
10) WHY ARE HOOKS FITTED WITH LATCHES? 	**Latches are used to keep rigging attached to the hook under no load, the load or slings must not interfere with the latch when lifting.** 
11) HOW MUST THE HOOK LATCH BE WHEN LIFTING THE LOAD? 	**The latch must be closed when the hook is lifting the load, the load cannot touch the latch, or restrict the closure of the latch.** 
12) WHERE IS THE BEST PLACE TO STORE HOOKS?	**Where they will not be affected by mechanical damage, corrosion, moisture, or adverse temperatures.**