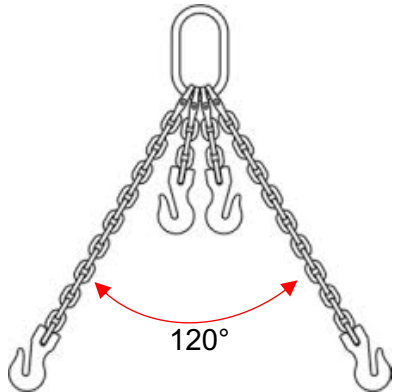
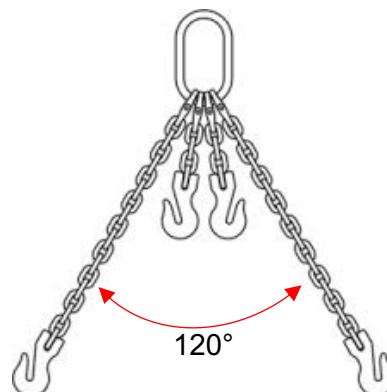


The objective of this Tool Box Talk is that it can be used as part of a safety meeting that focuses on the use of Links and Rings in the workplace. The ASME B30.26 standard has been referenced when compiling this document as this is the most recognized standard used in North America for selection, inspection, cautions to personnel, effects of environment, and rigging practices of links and rings.

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

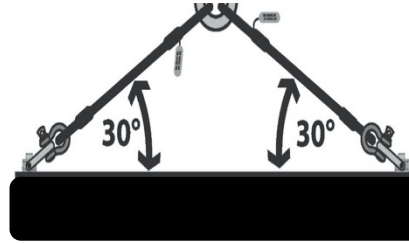
LEGISLATION	ANSWER
1) WHAT STANDARDS SHOULD THE LINKS AND RINGS COMPLY WITH?	ASME B30.26 standard.
2) WHAT OTHER INFORMATION MUST BE REFERENCED?	Manufacturers Specifications
3) HOW OFTEN DO PERIODIC INSPECTIONS NEED TO BE CARRIED OUT?	At least annually (ASME), <i>but state what your company rules are.</i>
MARKINGS	ANSWER
4) WHAT 3 ITEMS ARE REQUIRED TO BE MARKED ON THE LINK OR RING?	1. Manufacturer, 2. Rated Load or Size, 3. Grade.
APPLICATION	ANSWER
5) WHAT ARE THE TEMPERATURE RANGES FOR THE LINKS OR RINGS?	Minus 40 to plus 204 Celsius.
6) NAME SOME REASONS WHY THE LINKS OR RINGS MAY HAVE TO BE REMOVED FROM SERVICE?	<ol style="list-style-type: none"> 1. Missing or illegible identification, 2. Indications of heat damage, 3. Excessive pitting or corrosion, 4. Bends, twists, distortion, stretching, cracks or breaks, 5. Excessive nicks or gouges, 6. 10% reduction of original dimensions, 7. Evidence of unauthorized welding or modification.
7) WHAT IS THE MAXIMUM ALLOWABLE ANGLE BETWEEN THE SLINGS ATTACHED TO A LINK OR RING?	<p>When attaching multiple slings or rigging hardware to a link or ring they must not exceed 120 degrees included angle to keep the link or rings full rated load</p> 



8) ARE LINKS AND RINGS AFFECTED BY THE SLINGS ANGLE OF LOADING?



Horizontal angle of loading shall not be less than 30 deg. *The angle of loading affects the load on the links or rings. As the horizontal angle decreases, the effective load increases.*



As horizontal angle gets smaller, link and ring capacity is affected.

Refer to manufacturer specifications for effects of angles.

9) HOW WILL NON-SYMMETRICAL LOADING AFFECT THE LINK OR RING?



When attaching multiple slings to a link or ring non-symmetrically the manufacturer must be consulted as the rating is affected.



10) WHERE IS THE BEST PLACE TO STORE LINKS AND RINGS?

Where they will not be affected by mechanical damage, corrosion, moisture, or adverse temperatures.