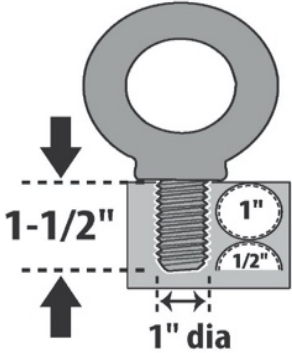


The objective of this Tool Box Talk is that it can be used as part of a safety meeting that focuses on the use of Eyebolts in the workplace. The ASME B30.26 standard has been referenced when compiling this document as this is the most recognized standard used in North America for selection, inspection,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

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

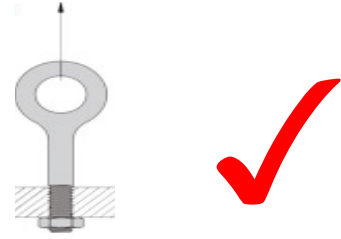
LEGISLATION	ANSWER
1) WHAT STANDARDS SHOULD THE EYEBOLT COMPLY WITH?	ASME B30.26 standard.
2) WHAT OTHER INFORMATION MUST BE REFERENCED?	Manufacturers Specifications
3) HOW OFTEN DO PERIODIC INSPECTIONS NEED TO BE CARRIED OUT?	At least annually, <i>but state what your company rules are.</i>
MARKINGS	ANSWER
4) WHAT 3 ITEMS ARE REQUIRED TO BE MARKED ON THE EYEBOLT?	1. Manufacturer, 2. Rated Load or Size, 3. Grade (if Alloy).
APPLICATION	ANSWER
5) WHAT ARE THE TEMPERATURE RANGES FOR THE EYEBOLT?	Minus 40 to plus 204 Celsius for Alloy Steel, but minus 1 to plus 135 Celsius for Carbon Steel
6) NAME SOME REASONS WHY THE EYEBOLT 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. Bents, twists, distortion, stretching, elongation, cracks or breaks, 5. Excessive nicks or gouges, 6. 10% reduction of original dimensions, 7. Excessive thread damage or wear, 8. Evidence of unauthorized welding or modification.
7) HOW MUCH THREAD ENGAGEMENT IS REQUIRED WHEN INSERTED INTO A TAPPED BLIND HOLE?	<p>The eyebolt must be threaded into the load at least 1.5 times the eyebolts thread diameter.</p> 



8) HOW MUST THE EYEBOLT BE SECURED IN A TAPPED THROUGH HOLE?



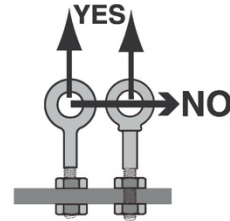
Secure the eyebolt with a nut and washer under the load if the load is less than 1 eyebolt thread diameter in thickness.



9) HOW MUST THE EYEBOLT BE SECURED IN AN UNTAPPED THROUGH HOLE?



Secure the eyebolt with nuts above and below the load.



10) CAN AN EYEBOLT BE SIDE LOADED?



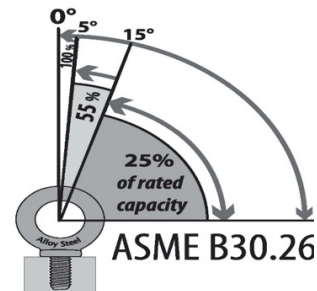
Only shouldered eyebolts can be used for angular loading.



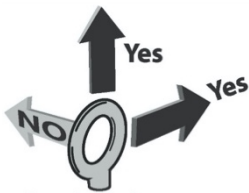
11) DOES SIDE LOADING AFFECT RATED LOAD?



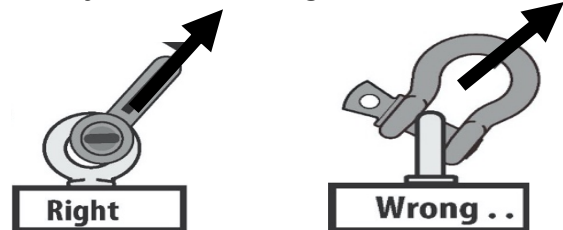
Rated load may be reduced by as much as 45% from 5-15 degrees and by 75% from 15-90 degrees from in-line loading.



12) HOW MUST THE EYEBOLT BE ALIGNED IF SIDE LOADED?



The plane of the eyebolt shall be aligned with the direction of pull.



13) WHERE IS THE BEST PLACE TO STORE EYEBOLTS?

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