

WORKER BEING EVALUATED:		<u>```</u>
EVALUATOR:		
LOCATION:	DATE:	

This evaluation form can be used as a demonstration or knowledge-based competency of a worker's understanding of an Eyebolt. It can be used by either Workers or Employers to assess their knowledge.

The ASME B30.26 Standard has been used for reference when compiling this evaluation. ASME B30.26 states that the Eyebolt Manufacturer specifications must also be referenced to provide specific information required for the Selection, Inspection, Limitations and Use.

HE CAPITALIZED WORDS, can the Employer successfully explain and complete the IPLIANCE TO STANDARDS THE EMPLOYER TO VERIFY THE EYEBOLT IS IPLIANT TO A STANDARD. Compliance to a standard should be confirmed in the ufacturer's specifications, generally the ASME B30.26 standard in North America.	YES	NO
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IGN FACTORS DOES THE EMPLOYER KNOW THE DESIGN FACTOR ASSOCIATED		
WITH THE EYEBOLT BEING USED? This is the point it will break above its rated load. ASME		
26 states 5:1 minimum.		
UFACTURERS SPECIFICATIONS THE EMPLOYER MUST HAVE THE		
UFACTURERS SPECIFICATIONS READILY AVAILABLE. The only way a worker can		
ssessed is if they have been given the manufactures specification for the product being		
evaluated on, as manufactures specifications differ. This information will provide the worker		
nitations, use and inspection requirements.		
IODIC INSPECTIONS THE EMPLOYER IS RESPONSIBLE TO ENSURE THAT THE		
EYEBOLT HAS HAD A PERIODIC INSPECTION. These are the inspections required by the		
E B30.26 standard that the employer must ensure are completed. At a minimum annually.		
RAGE THE EMPLOYER IS RESPONSIBLE TO ENSURE PROPER EYEBOLT		
STORAGE WHEN NOT IN USE. Storage is important to stop or reduce possible damage to		
eyebolt whether it be mechanical, chemical or temperature related. What is your		
pany's storage policy?		
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FY	EBOLT KNOWLEDGE		
		COMPETENT	NEEDS
Evaluator to READ THE CAPITALIZED WORDS and see if the worker can successfully explain the following.			COACHING
ev			
6)	MANUFACTURERS SPECIFICATIONS DOES THE WORKER HAVE ACCESS TO		
	THE MANUFACTURERS SPECIFICATIONS? The worker knows that manufacturers		
	specification are available, where they are located, and why they have to be used.		
7)	DESIGN FACTORS DOES THE WORKER KNOW THE DESIGN FACTOR		
	ASSOCIATED WITH THE EYEBOLT BEING USED? The worker states the minimum		
	required design factor of eyebolts. ASME B30.26 states 5:1		
8)	PERIODIC INSPECTIONS CAN THE WORKER VERIFY THAT THE EYEBOLT HAS		
	HAD A PERIODIC INSPECTION? These are the annual inspections required by the		
	employer to complete. As stated in the ASME B30.26 standard.		
9)	MARKINGS - MANUFACTURER SHOW ME THE MANUFACTURERS NAME		
	MARKING ON THE EYEBOLT. The manufacturer's name or trademark must be		
	marked on the eyebolt. This may be an actual name, but in some cases is a		
	trademark, abbreviation or logo.		
10)	(MARKINGS - RATED LOAD OR SIZE SHOW ME THE RATED LOAD OR SIZE		
	MARKING ON THE EYEBOLT. Either the rated load or size must be marked on the		
	eyebolt. Rated load is usually marked with WLL "working load limit" followed by a		
	number and unit that can be US or Metric, E.g. 2200 lbs or maybe 1000 kg. Size is		
	usually marked in inches or mm's, <i>E.g. ¾" or maybe 20mm.</i>		
11)	MARKINGS - GRADE SHOW ME THE GRADE MARKING ON THE EYEBOLT. The		
	grade must be marked on the eyebolt, if the eyebolt is alloy. Grade will affect the		
	eyebolt strength and its temperature rating.		
12)	TEMPERATURES ASK THE WORKER WHAT THE TEMPERATURE RANGE FOR		
	THE EYEBOLT IS FROM THE MANUFACTURER AND HOW CAN THE WORKER		
	VERIFY THIS? The worker knows extreme temperatures can affect the eyebolt,		
	ASME B30.26 states not below -1C or above 204 C for carbon eyebolts and -40 C for		
	alloy eyebolts. The worker must confirm with the manufacturer as they may differ.		

<b>EYEBOLT APPLICATION</b> Evaluator to READ THE CAPITALIZED WORDS and see if the worker can successfully explain the following.	COMPETENT	NEEDS COACHING
13) <u>REMOVAL CRITERIA</u> HAVE THE WORKER INSPECT THE EYEBOLT AND TELL YOU REASONS TO REMOVE THE EYEBOLT FROM SERVICE. 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. <i>Manufacturer will give specific criteria and must be referenced</i> .		
14) <u>THREAD ENGAGEMENT – BLIND HOLE</u> IF AN EYEBOLT IS INSERTED INTO A THREADED BLIND HOLE HAVE THE WORKER TELL YOU WHAT THE CORRECT THREAD ENGAGEMENT IS. (like an electric motor or pump) The worker knows the eyebolt must be threaded into the load at least the minimum amount required by the manufacturer. ASME B30.26 states 1.5 times the eyebolts thread diameter. The worker must confirm with the manufacturer as they may differ.		

COMMENTS:

SIGNATURE OF WORKER BEING EVALUATED:

X\_\_\_\_\_

SIGNATURE OF EVALUATOR:

x\_\_\_\_\_