Interpretation: 26-1

Subject: ASME B30.26-2004, Rigging Hardware

Date Issued: May 22, 2006

Background: The term "manufacturer" is defined in B30.26-2004 as, "The entity responsible for the physical production of an item."

Question: Can it be interpreted from the definition as it applies to the identification sections listed above that the "entity responsible" is the company that was responsible for having a part made to their specifications and not necessarily the company that physically produces a part?

Reply: Yes.

Interpretation: 26-2

Subject: ASME B30.26-2004, Rigging Hardware

Date Issued: October 17, 2008

Background: Paragraph 26-2.9.4.4(a) states: "When used in a threaded hole, the effective thread length shall be 1 1/2 times the diameter of the bolt for steel (see Fig. 8). For other thread engagements or engagements in other materials, contact the swivel hoist ring manufacturer or a qualified person."

Question (1): What is the basis for the 1 1/2 times effective thread length?

Reply (1): B30.26 is not a design or manufacturing standard. The subcommittee solicited the advice of several major swivel hoist ring manufacturers when this chapter was written. The swivel hoist ring manufacturers present at the meeting agreed that a thread engagement 1 1/2 times the bolt diameter was adequate to provide the required factor of safety for steel. Other thread engagements or materials are permitted with the approval of the manufacturer or a qualified person.

Question (2): Is it a rule of thumb?

Reply (2): No.

Question (3): Is it based on a certain factor of safety calculated from the preload force and shear yield strength, shear ultimate strength of the tapped material, or something else?

Reply (3): See Reply (1).

Question (4): Would it be better to also provide the manufacturer or qualified person with a minimum safety factor recommendation?

Reply (4): Per Section 26-2.2, design factor shall be a minimum of 5.
Interpretation: 26-3

Subject: ASME B30.26-2004, Rigging Hardware
Date Issued: February 18, 2009

Question (1): Does ASME B30.26 require raised or stamped letters for their markings?
Reply (1): Yes. Either of those methods may meet para. 26-1.5.1, which states, “Each new shackle body shall have forged, cast, or die-stamped markings by the manufacturer.”

Question (2): Do shackles require weight testing?
Reply (2): Paragraph 26-1.4.1 states that proof testing is not required, unless specified by the purchaser. If proof testing is done, the Standard requires an inspection for conditions stated in para. 26-1.8.4.

Interpretation: 26-4

Subject: ASME B30.26-2004, Rigging Hardware
Date Issued: October 28, 2009

Question: In para. 26-2.5.1(c), does the word “grade” refer to the grade of eyebolt or grade of material? For example, does it refer to “Grade 8” or “AISI 8620”?

Reply: The grade requirement is only to mark the alloy eyebolts with an “A” or “Alloy” to distinguish them from carbon steel eyebolts. It does not refer to chain or bolt grades or AISI analysis.