Specification 5100-245c
Amendment 2
September 2007

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
SPECIFICATION FOR
CLAMP, SHUTOFF, FIRE HOSE

Page 3
3.3.5. Pivot Pin Material.

Add the following sentence: Type 304 stainless steel, in accordance with ASTM A276, shall be an acceptable material in lieu of type 302 stainless steel for the pivot pin material.

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3.3.6. Lock Ring Material.

Add the following sentence: Type 304 stainless steel, in accordance with ASTM A276, shall be an acceptable material in lieu of type 302 stainless steel for the lock ring material.

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3.8. Performance. Modify paragraph 3.8.1, Add paragraph 3.8.3

3.8.1. Clamping Effect and Strength. When tested in accordance with 4.6.2, the clamp shall be capable of shutting off water at 300 psig (2,086 kPag) pressure with no permanent deformation, mechanical damage, structural failure, or leakage greater than three drops per second. The clamp shall not slip from the original locked position and shall not damage the hose. One person shall be capable of operating the clamp manually.

3.8.3. Pin Retention. When tested in accordance with 4.6.4, there shall be no damage or separation of parts.

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4.6. Performance Testing. Add paragraph 4.6.4 and 4.6.4.1

4.6.4. Pin Retention Test. As required by 3.8.3, the clamp shall be tested for pin retention in each of the three pivot pins. The application of force on the pins shall be no less than 250 pounds.

4.6.4.1. Pin Retention Test Method. The pins shall withstand an axial load of 250 pounds minimum applied directly to the pin. There shall be no indication of pin movement or damage of parts.