
29 C.F.R. § 1926.1433

Design, construction and testing.

The following requirements apply to equipment that has a manufacturer-rated hoisting/lifting capacity of more than 2,000 pounds.

- (a) Crawler, truck and locomotive cranes manufactured prior to November 8, 2010 must meet the applicable requirements for design, construction, and testing as prescribed in ANSI B30.5-1968 (incorporated by reference, *see* § 1926.6), PCSA Std. No. 2 (1968) (incorporated by reference, *see* § 1926.6), the requirements in paragraph (b) of this section, or the applicable DIN standards that were in effect at the time of manufacture.
- (b) Mobile (including crawler and truck) and locomotive cranes manufactured on or after November 8, 2010 must meet the following portions of ASME B30.5-2004 (incorporated by reference, *see* § 1926.6) as applicable:
 - (1) In section 5-1.1.1 (“Load Ratings—Where Stability Governs Lifting Performance”), paragraphs (a)-(d) (including subparagraphs).
 - (2) In section 5-1.1.2 (“Load Ratings—Where Structural Competence Governs Lifting Performance”), paragraph (b).
 - (3) Section 5-1.2 (“Stability (Backward and Forward)”).
 - (4) In section 5-1.3.1 (“Boom Hoist Mechanism”), paragraphs (a), (b)(1) and (b)(2), except that when using rotation resistant rope, § 1926.1414(c)(4)(ii)(A) applies.
 - (5) In section 5-1.3.2 (“Load Hoist Mechanism”), paragraphs (a)(2) through (a)(4) (including subparagraphs), (b) (including subparagraphs), (c) (first sentence only) and (d).
 - (6) Section 5-1.3.3 (“Telescoping Boom”).
 - (7) Section 5-1.4 (“Swing Mechanism”).
 - (8) In section 5-1.5 (“Crane Travel”), all provisions except 5-1.5.3(d).
 - (9) In section 5-1.6 (“Controls”), all provisions except 5-1.6.1 (c).
 - (10) Section 5-1.7.4 (“Sheaves”).
 - (11) Section 5-1.7.5 (“Sheave sizes”).
 - (12) In section 5-1.9.1 (“Booms”), paragraph (f).
 - (13) Section 5-1.9.3 (“Outriggers”).

(14) Section 5-1.9.4 (“Locomotive Crane Equipment”).

(15) Section 5-1.9.7 (“Clutch and Brake Protection”).

(16) In section 5-1.9.11 (“Miscellaneous equipment”), paragraphs (a), (c), (e), and (f).

(c) Prototype testing: mobile (including crawler and truck) and locomotive cranes manufactured on or after November 8, 2010 must meet the prototype testing requirements in Test Option A or Test Option B of this section. Tower cranes manufactured on or after November 8, 2010 must meet the prototype testing requirements in BS EN 14439:2006 (incorporated by reference, *see* § 1926.6).

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