

# Offshore Pedestal-mounted Cranes

API SPECIFICATION 2C  
SEVENTH EDITION, MARCH 2012  
ERRATA, MARCH 2013

EFFECTIVE DATE: OCTOBER 2012



AMERICAN PETROLEUM INSTITUTE



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## Upstream Segment

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# Offshore Pedestal-mounted Cranes

## 1 Scope

This specification provides requirements for design, construction, and testing of new offshore pedestal-mounted cranes. For the purposes of this specification, offshore cranes are defined as pedestal-mounted elevating and rotating lift devices for transfer of materials or personnel to or from marine vessels, barges and structures.

Typical applications can include:

- a) offshore oil exploration and production applications; these cranes are typically mounted on a fixed (bottom-supported) structure, floating platform structure, or ship-hulled vessel used in drilling and production operations;
- b) shipboard applications; these cranes are mounted on surface-type vessels and are used to move cargo, containers, and other materials while the crane is within a harbor or sheltered area; and
- c) heavy-lift applications; cranes for heavy-lift applications are mounted on barges, self-elevating vessels or other vessels, and are used in construction and salvage operations within a harbor or sheltered area or in limited (mild) environmental conditions.

Figure 1 illustrates some (but not all) of the types of cranes covered under this specification. While there are many configurations of pedestal-mounted cranes covered in the scope of this specification, it is not intended to be used for the design, fabrication, and testing of davits or emergency escape devices. Additionally, this specification does not cover the use of cranes for subsea lifting and lowering operations or constant-tension systems.

## 2 Normative References

The following referenced documents are indispensable for the application of this specification. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any addenda) applies.

API Recommended Practice 2A-WSD, *Planning, Designing and Constructing Fixed Offshore Platforms—Working Stress Design*, 21st Edition

API Recommended Practice 2D, *Recommended Practice for Operation and Maintenance of Offshore Cranes*

API Specification 2H, *Specification for Carbon Manganese Steel Plate for Offshore Platform Tubular Joints*

API Recommended Practice 2X, *Recommended Practice for Ultrasonic Examination of Offshore Structural Fabrication and Guidelines for Qualifications of Technicians*

API Specification 9A, *Specification for Wire Rope*

API Recommended Practice 14F, *Recommended Design and Installation for Unclassified and Class I, Division 1 and Division 2 Locations*

API Recommended Practice 500, *Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class I, Division 1 and Division 2*

API Recommended Practice 505, *Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class I, Zone 0, Zone 1 and Zone 2*