

# Offshore Cargo Carrying Units

API STANDARD 2CCU  
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## **Introduction**

This API 2CCU standard applies to cargo carrying units (CCUs) specifically designed for repetitive use in the transport of goods and equipment to, from, or between fixed and/or floating offshore installations, ships, and/or shore-based operations. This standard outlines the criteria for the design, manufacturing, inspection, testing, and marking of CCUs, and takes into account the dynamic lifting and impact forces that can occur when handling such equipment in open seas.

Annex A outlines the assessment criteria and parameters of in-service CCU equipment for continued fit-for-purpose applications by users of CCU equipment in conjunction with equipment built to this standard.

# Offshore Cargo Carrying Units

## 1 Scope

This standard defines the design, material, manufacture, inspection, repair, maintenance, and marking requirements for offshore cargo carrying units (CCU) and lifting sets, to include dry-goods boxes, baskets, and other skids designed to move equipment and goods offshore with maximum gross weight up to 70,000 kg (154,323 lb).

Annex A outlines the assessment criteria and parameters for in-service CCU equipment for continued fit-for-purpose applications by users of CCU equipment in conjunction with equipment built to this standard.

## 2 Normative References

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

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

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

API Specification 9A, *Specification for Wire Rope*

API Specification Q1, *Specification for Quality Management System Requirements for Manufacturing Organizations for the Petroleum and Natural Gas Industry*

AISC<sup>1</sup> *Steel Construction Manual*

ASME<sup>2</sup> Boiler and Pressure Vessel Code (BPVC), Section IX, *Welding, Brazing, and Fusing Qualifications*

ASME B30.9, *Slings*

ASME B30.26, *Rigging Hardware*

ASNT<sup>3</sup>-TC-1A, *Personnel Qualification and Certification in Nondestructive Testing*

ASTM<sup>4</sup> A153/A153M, *Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware*

ASTM A193/A193M, *Standard Specification for Alloy-Steel and Stainless Steel Bolting for High Temperature or High Pressure Service and Other Special Purpose Applications*

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<sup>1</sup> The American Institute of Steel Construction, 130 East Randolph, Suite 2000, Chicago, IL, 60601, USA; [www.aisc.org](http://www.aisc.org).

<sup>2</sup> The American Society of Mechanical Engineers, Two Park Avenue, New York, NY 10016-5990, USA; [www.asme.org](http://www.asme.org).

<sup>3</sup> The American Society of Nondestructive Testing, 1711 Arlingate Lane, Columbus, OH 43228-0518, USA; [www.asnt.org](http://www.asnt.org).

<sup>4</sup> ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959, USA; [www.astm.org](http://www.astm.org).