

# Offshore Cargo Carrying Units

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## Contents

	Page
<b>1</b> Scope.....	1
<b>2</b> Normative References.....	1
<b>3</b> Terms, Definitions, Abbreviations, and Symbols.....	3
<b>3.1</b> Terms and Definitions.....	3
<b>3.2</b> Abbreviations.....	5
<b>3.3</b> Symbols.....	6
<b>4</b> Design.....	7
<b>4.1</b> Classification.....	7
<b>4.2</b> Protruding Components.....	7
<b>4.3</b> Structural Design.....	7
<b>4.4</b> Structural Strength.....	8
<b>4.5</b> Welding.....	14
<b>4.6</b> Additional Design Details.....	14
<b>5</b> Materials for CCU Structures.....	20
<b>5.1</b> General.....	20
<b>5.2</b> Minimum Material Thickness.....	20
<b>5.3</b> Wrought Steel.....	20
<b>5.4</b> Aluminum.....	22
<b>5.5</b> Non-metallic Material.....	22
<b>5.6</b> Steel Bolts, Nuts, and Pins.....	23
<b>6</b> Manufacturing.....	23
<b>6.1</b> General.....	23
<b>6.2</b> Primary Structure.....	23
<b>6.3</b> Secondary Structure.....	25
<b>7</b> Prototype Testing.....	26
<b>7.1</b> Prototype Vertical Impact Test.....	26
<b>7.2</b> Prototype Load Testing.....	26
<b>7.3</b> Failure of Prototype CCUs.....	27
<b>8</b> Production Testing and Inspection Requirements.....	27
<b>8.1</b> CCU Load Testing.....	27
<b>8.2</b> Load Testing Methods.....	28
<b>8.3</b> Single Point Edge Load Testing.....	28
<b>8.4</b> All-point Load Test.....	28
<b>8.5</b> Post-load Test Inspection and Examination.....	28
<b>8.6</b> CCU Load Test Certification.....	28
<b>8.7</b> Calibration/Certification.....	29
<b>8.8</b> Document Retention.....	29
<b>8.9</b> Non-destructive Examination of Critical Components.....	29
<b>9</b> Cargo Carrying Unit Lifting Sets.....	30
<b>9.1</b> Technical Requirements.....	30
<b>9.2</b> Design Requirements.....	30
<b>9.3</b> Lifting Set Manufacturing Methods.....	33
<b>9.4</b> Lifting Set Identification Requirements.....	36

## Contents

	Page
<b>9.5</b>	Removal Criteria for Wire Rope Lifting Sets ..... 37
<b>9.6</b>	Removal Criteria for Bolt-type Shackles ..... 37
<b>9.7</b>	Repairs to Wire Rope Lifting Sets..... 37
<b>9.8</b>	Lifting Set Certificates ..... 37
<b>10</b>	CCU Marking Requirements ..... 38
<b>10.1</b>	Safety Marking ..... 38
<b>10.2</b>	CCU Identification Markings ..... 38
<b>10.3</b>	Manufacturer's Data Plate Marking ..... 38
<b>10.4</b>	Cargo Carrying Unit Inspection Plate ..... 39
<b>11</b>	Documentation ..... 40
<b>11.1</b>	Certificate of Conformance ..... 40
<b>12</b>	Periodic Testing, Inspection, and Maintenance ..... 40
<b>12.1</b>	Cargo Carrying Unit Inspections ..... 40
<b>12.2</b>	Lifting Set Inspection ..... 41
<b>12.3</b>	Maintenance ..... 44
<b>12.4</b>	Failure of In-service CCUs ..... 45
	Annex A (normative) Assessment Criteria for Existing Cargo Carrying Units ..... 46
	Bibliography ..... 48
 <b>Figures</b>	
<b>1</b>	Pad Eye and Shackle Dimensions ..... 17
<b>2</b>	Material Impact Energy for Wrought Steel ..... 21
 <b>Tables</b>	
<b>1</b>	Primary Structure Design Load ..... 8
<b>2</b>	Enhancement Factors for PSL 1 Equipment ..... 10
<b>3</b>	Enhancement Factors for PSL 2 Equipment ..... 11
<b>4</b>	Recommended Forklift Pocket Distances and Operational Limitations ..... 15
<b>5</b>	Minimum Material Thickness for Steel Sheet ..... 20
<b>6</b>	Impact Test Temperature ..... 22
<b>7</b>	Adjustment Factors for Sub-size Impact Specimens ..... 22
<b>8</b>	NDE of Structural Welds ..... 25
<b>9</b>	Standards for NDE Methods ..... 25
<b>10</b>	Weld Acceptance Criteria ..... 25
<b>11</b>	Total Test Load for All-point Lifting Test ..... 27
<b>12</b>	Document Retention for Load Testing ..... 29
<b>13</b>	PSL 1 Lifting Set Enhancement Factors (3-meter Wave Height) ..... 31
<b>14</b>	PSL 2 Lifting Set Enhancement Factors (6-meter Wave Height) ..... 32
<b>15</b>	Working Load Limit for Sling Legs and Shackles ..... 33

**Contents**

	Page
<b>16</b> Forerunner Lengths .....	36
<b>17</b> Authorized COC Signatures .....	40
<b>18</b> Periodic Inspection Cycle and Tests for Cargo Carrying Units .....	41
<b>19</b> Inspection Cycle and Tests for Lifting Sets .....	42
<b>20</b> Document Retention Periods for Inspection Records .....	44

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# Offshore Cargo Carrying Units

## 1 Scope

This standard applies to cargo carrying units (CCUs) specifically designed for repetitive use in the transport of goods and equipment to, from, or between offshore installations, vessels, and/or shore-based operations, and takes into account the dynamic lifting and impact forces that can occur when handling such equipment in open seas.

This standard defines the design, material, manufacture, inspection, testing, 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 or continued fit-for-purpose applications by users of CCU equipment in conjunction with equipment built to this standard.

## 2 Normative References

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. 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 2D, *Operation and Maintenance of Offshore Cranes*

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

API Specification 9A, *Wire Rope*

API Specification Q1, *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 Non-destructive 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*

ASTM A194/A194M, *Standard Specification for Carbon Steel, Alloy Steel, and Stainless Steel Nuts for Bolts for High Pressure or High Temperature Service, or Both*

<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 Non-destructive 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).