

Australian Standard[®]

**Offshore containers and associated
lifting sets**

**Part 2: Lifting sets—Design,
manufacture and marking
(EN 12079-2:2006, MOD)**



This Australian Standard® was prepared by Committee ME-025, Lifting Tackle. It was approved on behalf of the Council of Standards Australia on 23 March 2009. This Standard was published on 19 May 2010.

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 - Crane Industry Council of Australia
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-

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PREFACE

This Standard was prepared by the Standards Australia Committee ME-025, Lifting Tackle.

The objective of this Standard is to improve the alignment of Australian and international practice with regard to inspection, examination and testing of offshore containers and associated lifting sets.

The terms ‘normative’ and ‘informative’ are used to define the application of the annex or appendix to which they apply. A normative annex or appendix is an integral part of a standard, whereas an informative annex or appendix is only for information and guidance.

This Standard is an adoption, with national variations, of EN 12079-2:2006, *Offshore containers and associated lifting sets, Part 2: Lifting sets—Design, manufacture and marking*. The variations for application in Australia are listed in Appendix ZA.

As this Standard is reproduced from a European standard, the following applies:

- (a) Its number appears on the cover and title page.
- (b) In the source text ‘EN 12079’ should read ‘AS EN 12079’.
- (c) In source text ‘this European Standard’ should read ‘this Australian Standard’.
- (d) A full point substitutes for a comma when referring to a decimal marker.

Listed below are Australian Standards with similar scopes (not identical) to the documents referenced in the European Standard.*

<i>Reference to European Standard</i>	<i>Australian Standard</i>	
EN		
818	Short link chain for lifting purposes—Safety	AS 3775.1
818-4	Part 4: Chain slings—Grade 8	
1677	Components for slings—Safety	AS 3585
1677-1	Part 1: Forged steel components, Grade 8	AS 3776, AS 3777
10045	Metallic materials—Charpy impact test	AS 1544.2, AS 1544.3
10045-1	Part 1: Test method	
10204	Metallic products—Types of inspection documents	
13414	Steel wire rope slings—Safety	AS 1666.1
13414-1	Part 1: Slings for general lifting service	
13889	Forged steel shackles for general lifting purposes—Dee shackles and bow shackles—Grade 6—Safety	AS 2741

* Appendix ZA lists clauses where Australian Standards may be used.

EN ISO		
15613	Specification and qualification of welding procedures for metallic materials—Qualification based on pre-production welding test (ISO 15613:2004)	AS 1554.1, AS 1554.4, AS 1554.5

Titles of Australian Standards listed above are as follows:

AS

1554	Methods for impact tests on metals
1554.1	Part 1: Izod
1554.2	Part 2: Charpy V-notch
1554.3	Part 3: Charpy U-notch and keyhole notch
1554.4	Part 4: Calibration of the testing machine
1554.5	Part 5: Assessment of fracture surface appearance of steel
1666	Wire-rope sling
1666.1	Part 1: Product specification
2741	Shackles
3585	End fittings for flat-webbing slings
3775	Chain slings—Grade T
3775.1	Part 1: Product specifications
3777	Lifting components for Grade T chain slings

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AUSTRALIAN STANDARD

Offshore containers and associated lifting sets

Part 2:

Lifting sets—Design, manufacture and marking
(EN 12079-2:2006, MOD)

1 Scope

This part of EN 12079 specifies requirements for lifting sets for use with containers in offshore service.

Other parts of the standard are:

EN 12079-1, *Offshore containers and associated lifting sets - Part 1: Offshore container - Design, manufacture and marking*

EN 12079-3, *Offshore containers and associated lifting sets - Part 3: Periodic inspection, examination and testing*

2 Normative references

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

EN 818-4:1996, *Short link chain for lifting purposes — Safety — Part 4 — Chain slings — Grade 8*

EN 1677-1, *Components for slings — Safety — Part 1: Forged steel components, Grade 8*

EN 10045-1, *Metallic materials - Charpy impact test - Part 1: Test method*

EN 10204, *Metallic products - Types of inspection documents*

EN 13414-1, *Steel wire rope slings - Safety - Part 1: Slings for general lifting service*

EN 13889, *Forged steel shackles for general lifting purposes - Dee shackles and bow shackles - Grade 6 – Safety*

EN ISO 15613, *Specification and qualification of welding procedures for metallic materials - Qualification based on pre-production welding test (ISO 15613:2004)*

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply:

3.1

lifting set

items of integrated lifting equipment used to connect the offshore container to the lifting appliance. This can comprise one or multi leg slings (with or without a top leg) and shackles, whether assembly secured or not.