

Secondary Legislation

DCE - MTI 3A - 1/1

Maritime Transport (Lifting Appliances, Loose Gear, and Working Gear) Instrument [year]

DRAFT FOR CONSULTATION

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Section 1 Preliminary provisions

1.1 Title

This MTI is the Maritime Transport (Lifting Appliances, Loose Gear, and Working Gear) Instrument [year].

1.2 Commencement

This MTI comes into force on [same date as Part 3A].

1.3 What this MTI does

This MTI specifies technical requirements, including testing loads and inspection standards, for lifting appliances, loose gear, working gear, and winch brakes, for the purposes of Part 3A.

1.4 Application of MTI provisions

This MTI specifies requirements and technical standards with which a ship described in rule 3A: A1.3(1) must comply for the purposes of rules 3A: C1.1, C2.1, C2.4, and C6.1.

1.5 Interpretation

- (1) If there is a conflict between this MTI and material incorporated by reference in this MTI, this MTI applies.
- (2) A term used in this MTI and defined in Part 3A has the same meaning as in that Part.
- (3) In this MTI, loose gear does not include a container within the meaning of the *International Convention for Safe Containers 1972*.
- (4) Codes, conventions, and official standards are referred to as standards and by the abbreviations listed in Appendix 2.
- (5) In this MTI, unless the context otherwise requires, **Part 3A** means Maritime (Design, Construction, and Equipment - Lifting Appliances, Loose Gear, and Working Gear) Rules.

1.6 Transitional application

- (1) This MTI applies subject to any transitional, savings, and related provisions specified in Part 3A.
- (2) Where a transitional provision in Part 3A permits compliance with an earlier standard, that provision prevails over the requirements of this MTI.

Section 2 Testing and inspection

2.1 Application of testing and inspection requirements

This Section specifies requirements for testing, and inspection for the purposes of rules 3A: C2.1, C2.4, and C6.1.

2.2 Proof load when testing

- (1) The proof load of a lifting appliance, when tested, must not be less than the applicable load specified in Table 1 in Appendix 1.
- (2) The proof load of an item of loose gear, when tested, must not be less than the applicable load specified in Table 2 in Appendix 1.
- (3) The proof load of working gear, when tested, must not be less than the applicable load specified in Table 3 in Appendix 1.

2.3 Inspection of loose gear

For the purposes of rule 3A: C2.4(3), the care, maintenance, inspection, and discard of steel wire rope must be carried out in accordance with—

- (a) the manufacturer's specifications; or
- (b) if manufacturer's specifications are not available, in accordance with *ISO 4309:2017*.

Appendix 1: Safe working load

Table 1 Lifting appliances

SWL of Lifting Appliance (tonnes)	Proof Load
Not more than 20	SWL x 1.25
More than 20 but not more than 50	SWL + 5 tonnes
More than 50	SWL x 1.1

Table 2 Loose gear

Item and SWL (tonnes)	Proof Load
Single sheave block	SWL x 4
Multi sheave blocks:	
Not more than 25	SWL x 2
More than 25 but not more than 160	(SWL x 0.933) + 27 tonnes
More than 160	SWL x 1.1
Hooks, shackles, chains, rings, swivels, etc:	
Not more than 25	SWL x 2
More than 25	(SWL x 1.22) + 20 tonnes
Lifting beams, spreaders, frames, magnetic and vacuum lifting devices:	
Not more than 10	SWL x 2
More than 10 but not more than 160	(SWL x 1.04) + 9.6 tonnes
More than 160	SWL x 1.1
Trays, crates, tubs, grabs, etc and personnel cradles:	
Not more than 3	SWL x 2
More than 3 but not more than 12	SWL + 3 tonnes
More than 12 but not more than 20	SWL x 1.25
More than 20	SWL + 5 tonnes

Table 3 Working gear

Working gear and other equipment	Proof Load
Working gear	SWL x 1.25
Winch brake	SWL x 1.25

Appendix 2: Codes of practice and official standards

A reference to a standard or convention in this MTI is a reference to that standard or convention as amended or replaced from time to time, unless otherwise specified.

ISO means *International Organization for Standardization* in the following:

ISO 4309:2017: Cranes – Wire ropes – Care and maintenance, inspection, and discard

International Convention for Safe Containers 1972 means the *International Convention for Safe Containers*, done at Geneva on 2 December 1972.