

**Model Booklet for**

# **BULK CARGO BOOKLET**

in pursuance of the requirement of regulation VI/7.2 of the International Convention of Safety of Life at Sea, 1974, as amended.

Version 1.0/CBu  
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**“MV SPECIMEN BULKER”**

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## **Preface**

This booklet contains the information and documentation for the safe loading, unloading and stowage of bulk cargoes according to SOLAS VI/7.2.

The master is responsible for observing the provisions stated in this booklet.

This booklet is valid without approval by the administration.

## **Contents**

1. Stability data, as required by regulation II-1/22
2. Ballasting and deballasting rates and capacities
3. Maximum allowable load per unit surface area in cargo holds
4. Maximum allowable load per hold
5. General loading and unloading instructions with regard to the strength of the ship's structure including any limitations on the most adverse operating conditions during loading, unloading, ballasting operations and the voyage
6. Any special restrictions such as limitations on the most adverse operating conditions imposed by the Administration or organization recognized by it, if applicable
7. Where strength calculations are required, maximum permissible forces and moments on the ship's hull during loading, unloading and the voyage

### 1. Stability data, as required by regulation II-1/22

The stability information booklet approved by Germanischer Lloyd with the reference number \_\_\_ - \_\_\_\_\_ is available on board.

### 2. Ballasting and deballasting rates and capacities

#### a. Ballast pumps

Ballast pump	Capacity [m <sup>3</sup> /h]	Head [bar]
1. Ballast pump	250	2
2. General service pump	100	4,5
...	...	...

#### b. Ballast tanks

Ballast tank / Compartment	Frames	Volume [m <sup>3</sup> ]
D/B tank no. 1 starb.	66 - 99	100
D/B tank no. 1 port	66 - 99	100
Side tank no. 1 starb.	66 - 99	150
...	...	...

### 3. Maximum allowable load per unit surface area in cargo holds

#### a. Tank top plating

Hold	Frames	Maximum tank top load [t/m <sup>2</sup> ]
1	101 - 156	15
2	28- 99	15
...	...	...

#### b. Other decks in cargo hold(s)

Hold / deck location	Frames	Maximum deck load [t/m <sup>2</sup> ]
1 (tweendeck)	101 - 156	5
2 (tweeneck)	28- 99	5
...	...	...

#### 4. Maximum allowable load per hold

Hold	Volume [m <sup>3</sup> ]	Maximum load [t]
1	6297,9	10395
2	7467,7	9207
...	...	...

#### 5. General loading and unloading instructions with regard to the strength of the ship's structure including any limitations on the most adverse operating conditions during loading, unloading, ballasting operations and the voyage

##### a. Loading and unloading precautions according the IMSBC Code Section 2

- The information on proper distribution of cargo is provided in the ship's stability information booklet or may be obtained by the use of loading calculators.
- Cargo spaces shall be inspected and prepared for the particular cargo which is to be loaded.
- Bilge wells and strainer plates are to be prepared for the cargo which is to be loaded.
- Bilge lines and sounding pipes shall be in good order.
- All cargo space fittings shall be protected from damage.
- As far as practicable ventilation system shall be shut down or screened during loading and discharge.

##### b. Safe Loading and Unloading according the BLU Code

The Code of Practice for the Safe Loading and Unloading of Bulk Carriers (BLU Code) is available on board. All precautions and requirements mentioned in the BLU Code are to be observed.

#### 6. Any special restrictions such as limitations on the most adverse operating conditions imposed by the Administration or organization recognized by it, if applicable

The loading manual approved by Germanischer Lloyd with the reference number \_\_ - \_\_\_\_\_ is available on board.

**7. Where strength calculations are required, maximum permissible forces and moments on the ship's hull during loading, unloading and the voyage**

**a. Maximum permissible still water shear forces**

Frame	Sea		Harbour	
	Positive [kN]	Negative [kN]	Positive [kN]	Negative [kN]
5	5100	-5000	6100	-6100
24	15600	-15000	20500	-20500
37	22900	-22000	30900	-30900
...	...	...	...	...

**b. Maximum permissible still water bending moments**

Frame	Sea		Harbour	
	Positive [kNm]	Negative [kNm]	Positive [kNm]	Negative [kNm]
5	21000	-17000	47000	-46000
24	190000	-70000	324000	-217000
37	320000	-180000	536000	-417000
...	...	...	...	...