International Standard 7222

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Shipbuilding — Shipborne barges, series 2 — Main dimensions

Construction navale — Barges de la série 2 embarcables à bord des navires — Dimensions principales

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Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

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Shipbuilding — Shipborne barges, series 2 — Main dimensions

1 Scope and field of application

This International Standard specifies the main dimensions of shipborne barges, series 2 and the dimensions of the principal constructional elements.

2 Definition

shipborne barge, series 2 : Barge handled aboard a barge carrier by an elevator or by a system based on the floating-dock principle.

3 Dimensions of principal constructional elements

To ensure interchangeability when stowing and handling barges aboard a barge carrier by an elevator or by a system based on the floating-dock principle, the dimensions of the principal constructional elements shall be as specified in table 1. Stationary equipment installed on the deck shall not project beyond the overall height.

Tie-down fittings, shown in figure 2, shall be similar in design to such fittings on existing series 2 barges.

Series 2 barges shall have CO_2 and fire hose connection devices installed and located similar to those on existing series 2 barges.

Where necessary, adaptors shall be provided to conform to existing series 2 barge fittings.

Table 1 — Dimensions of principal constructional elements

Main dimensions				Distance between the outboard edge of the positioning angle and longitudinal centreline plane	Length of the positioning angles and doubler plates	Maximum draught in fresh water	Maximum displacement
Length overall	Width overall	Height at centreline (without positioning angles)					
		Depth, moulded to deck	Height overall				
L	B	H	H_1	N	l	T	D
mm	mm	mm	mm	mm	mm	mm	t
29 718	10 706	3 810	5 165	3 397	27 380	3 336	1 024

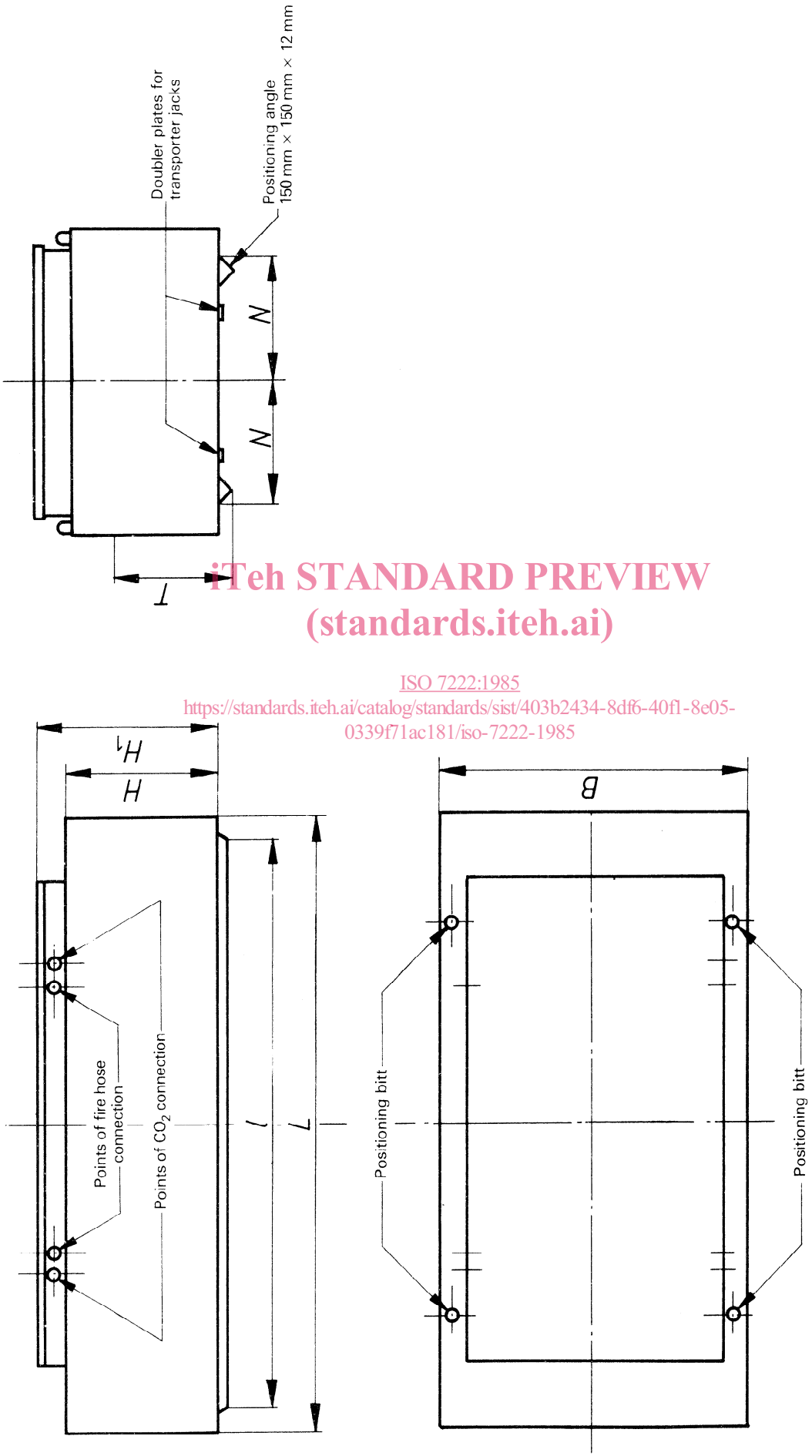

Figure 1 — Main dimensions of shipborne barge, series 2

4 Arrangement of fixing points

To secure the barges in a hold or on deck of the barge carrier they shall be equipped with suitable devices (tie-down fittings, positioning bitts, doubler plates, etc.), the arrangement of which shall conform with figure 2.

The tie-down points, doubler plates and points loaded by securing jacks shall be designed to withstand loads shown in figure 2.

5 Tolerances

Table 2 specifies the tolerances for those dimensions which determine the interchangeability of the barges with respect to their handling by elevator and transporter, and for stowage on board the barge carrier.

NOTE — Dimensions for which tolerances are not specified in this International Standard may be toleranced in accordance with national shipbuilding standards.

Table 2 — Tolerances

Values in millimetres

L	B	H_1	H	N
+ 25 − 25	+ 6 − 25	+ 6 − 25	+ 6 − 12	+ 6 − 6

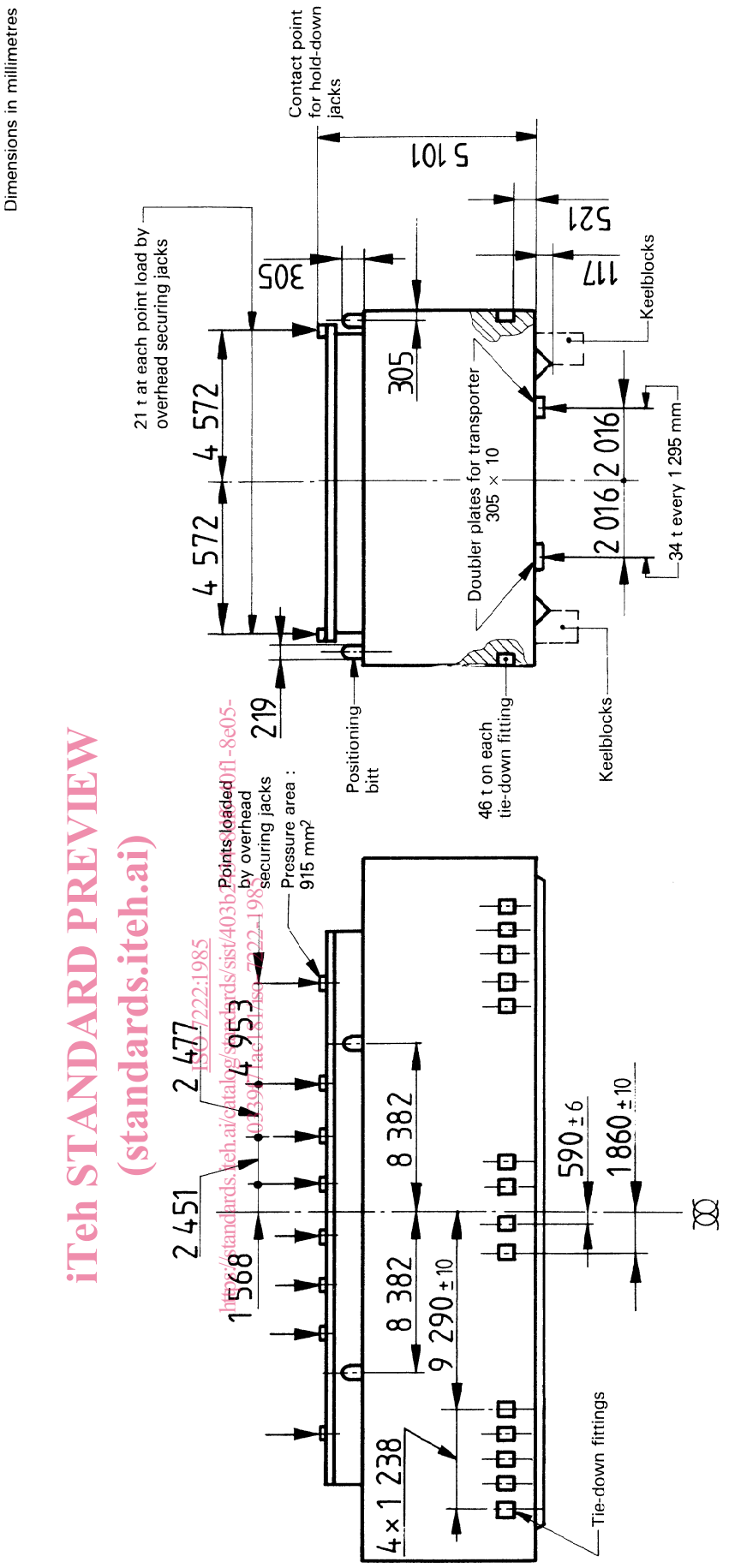

Figure 2 — Arrangement of fixing points of a barge, series 2, aboard a barge carrier

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