Ship measurement

Test 1:

fill in the missing word(s)

in the textbox

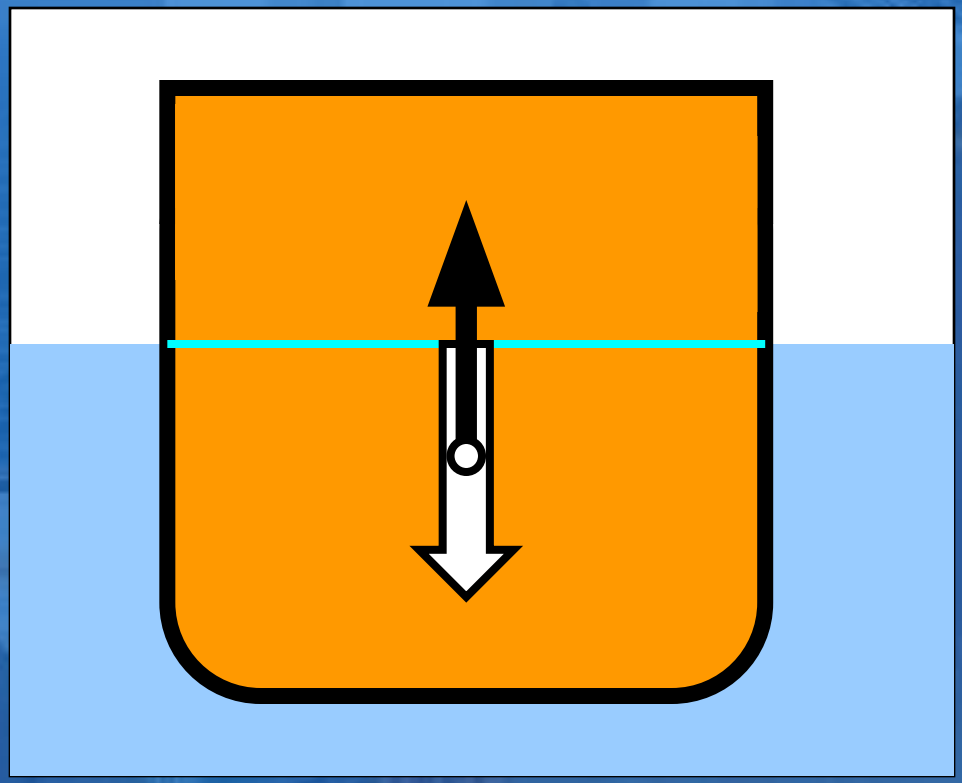
or in the IMLP-coursebook.

Click on answer for the answer.

Click on to return to the test.

answer

Archimedes' principle

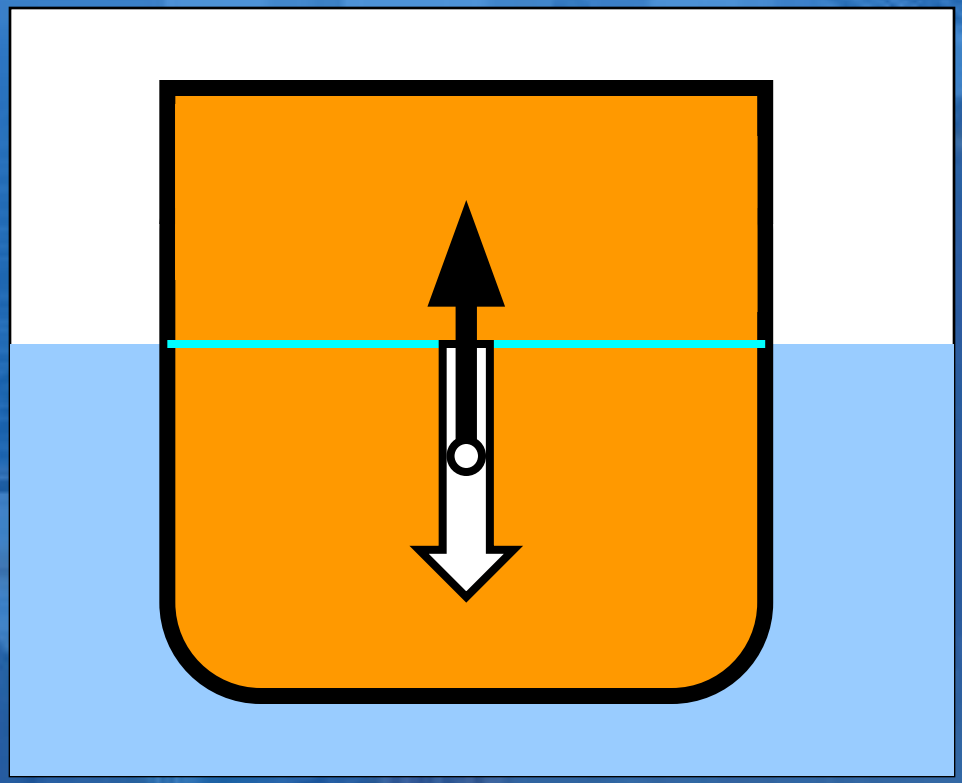


"A ship
a weight of water that is
equal to its own weight."

fill in ....

1

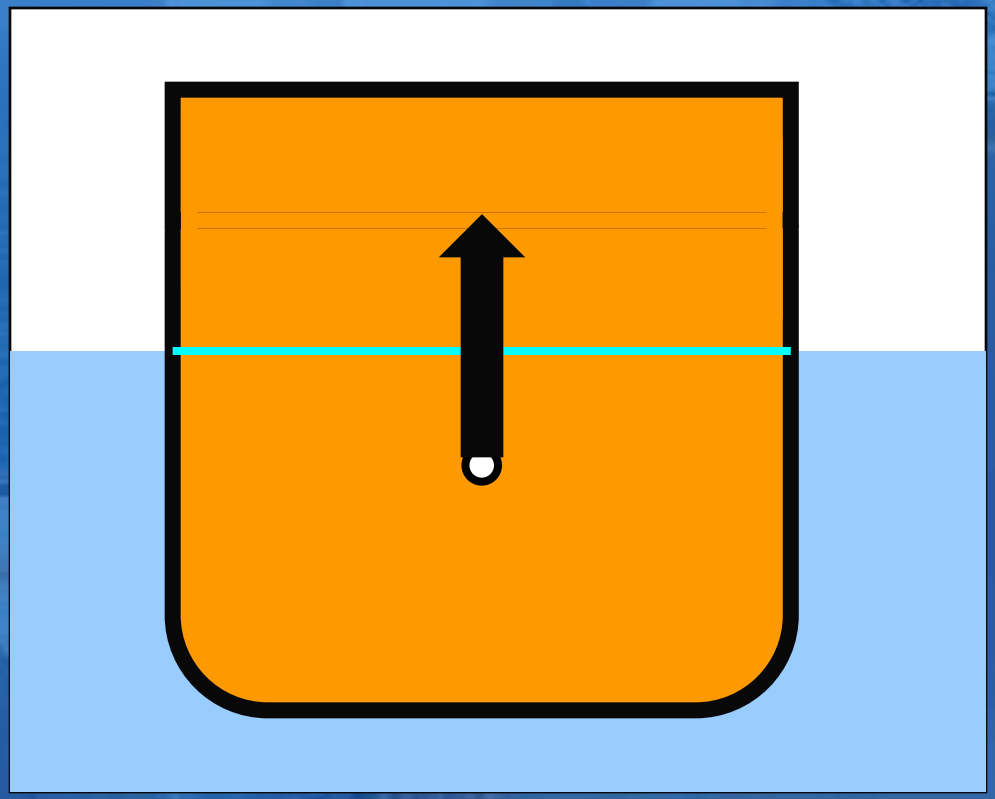
Archimedes' principle



"A ship displaces
a weight of water that is
equal to its own weight."

answer

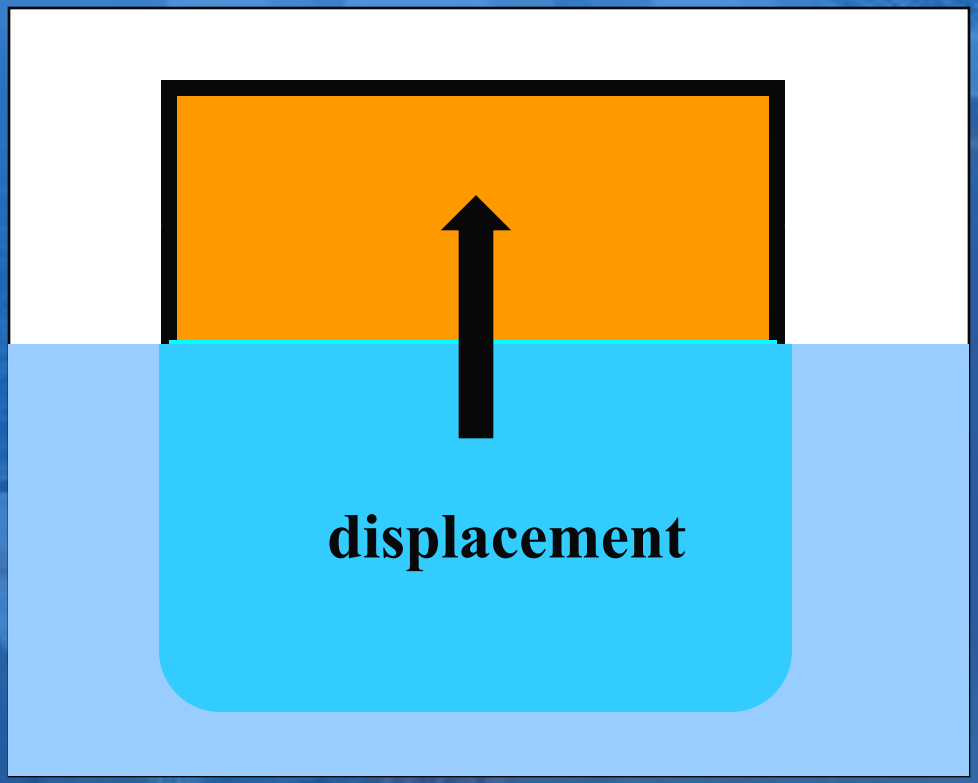
Archimedes' principle



Therefore a vessel will experience an
that is equal to the
of the *displaced water.*

fill in ....

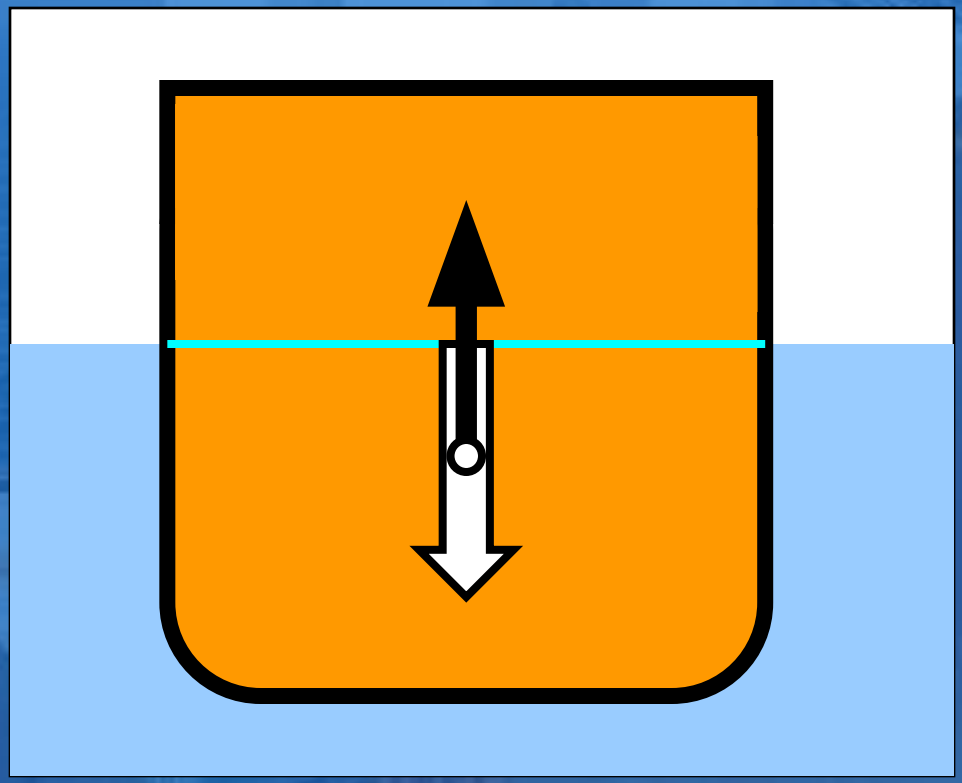
Archimedes' principle



Therefore a vessel will experience an upthrust that is equal to the weight of the displaced water.

answer

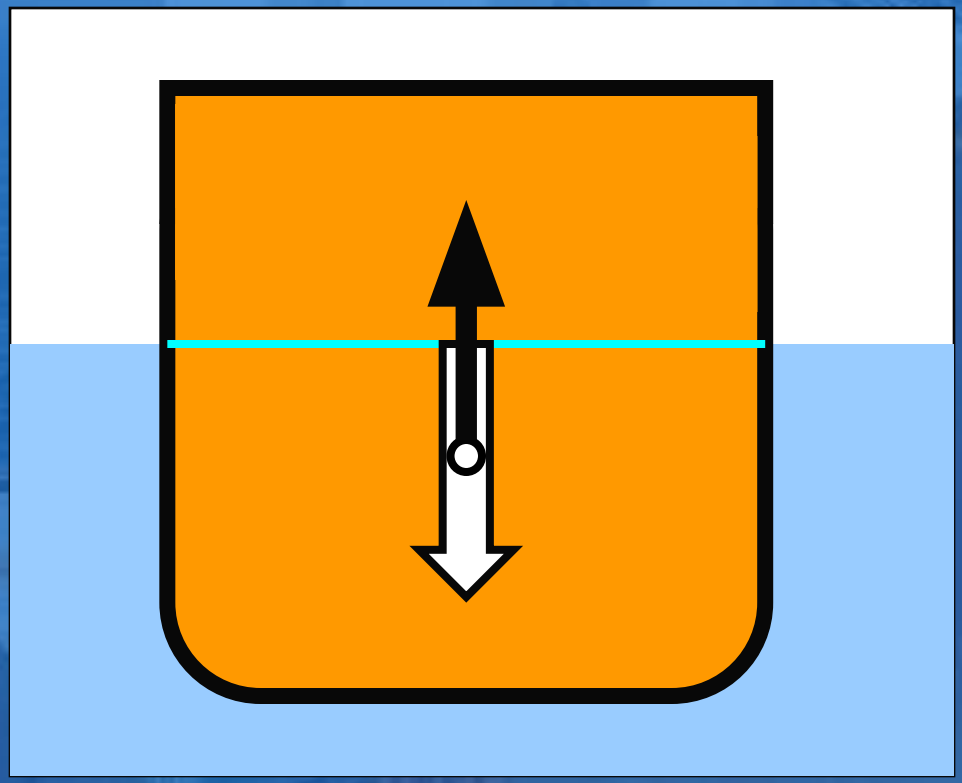
Archimedes' principle



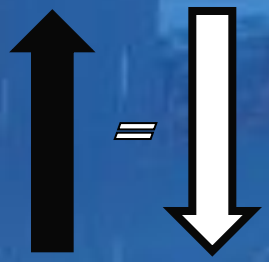
When
is equal to
the vessel will float.

fill in ....

Archimedes' principle



When Buoyancy (B) is equal to Gravity (G) the vessel will float.



answer

Displacement

By “displacement” is meant the
of a vessel and her contents,
or the of the watermass.

fill in ....

Displacement

The weight of a vessel and her contents,

or

the weight of the displaced watermass.

answer

Gross tonnage

- Gross tonnage equals the entire volume of the spaces.

fill in ....

Gross tonnage

- Gross tonnage equals the entire volume of the enclosed spaces of the ship.

answer

Net tonnage

- Net tonnage can be calculated by the spaces that are not used for cargo from the tonnage.

fill in ....

Net tonnage

- Net tonnage can be calculated by deducting the spaces that are not used for cargo from the gross tonnage.

answer

Tonnages

- Harbour are usually calculated according to the gross tonnage, but some ports use the vessel's net tonnage.

fill in ....

Harbour dues

- Harbour dues are usually calculated according to the gross tonnage, but some ports use the vessel's net tonnage.

answer

Deadweight

By deadweight is understood the weight of the vessel's , consisting of:

.

fill in ....

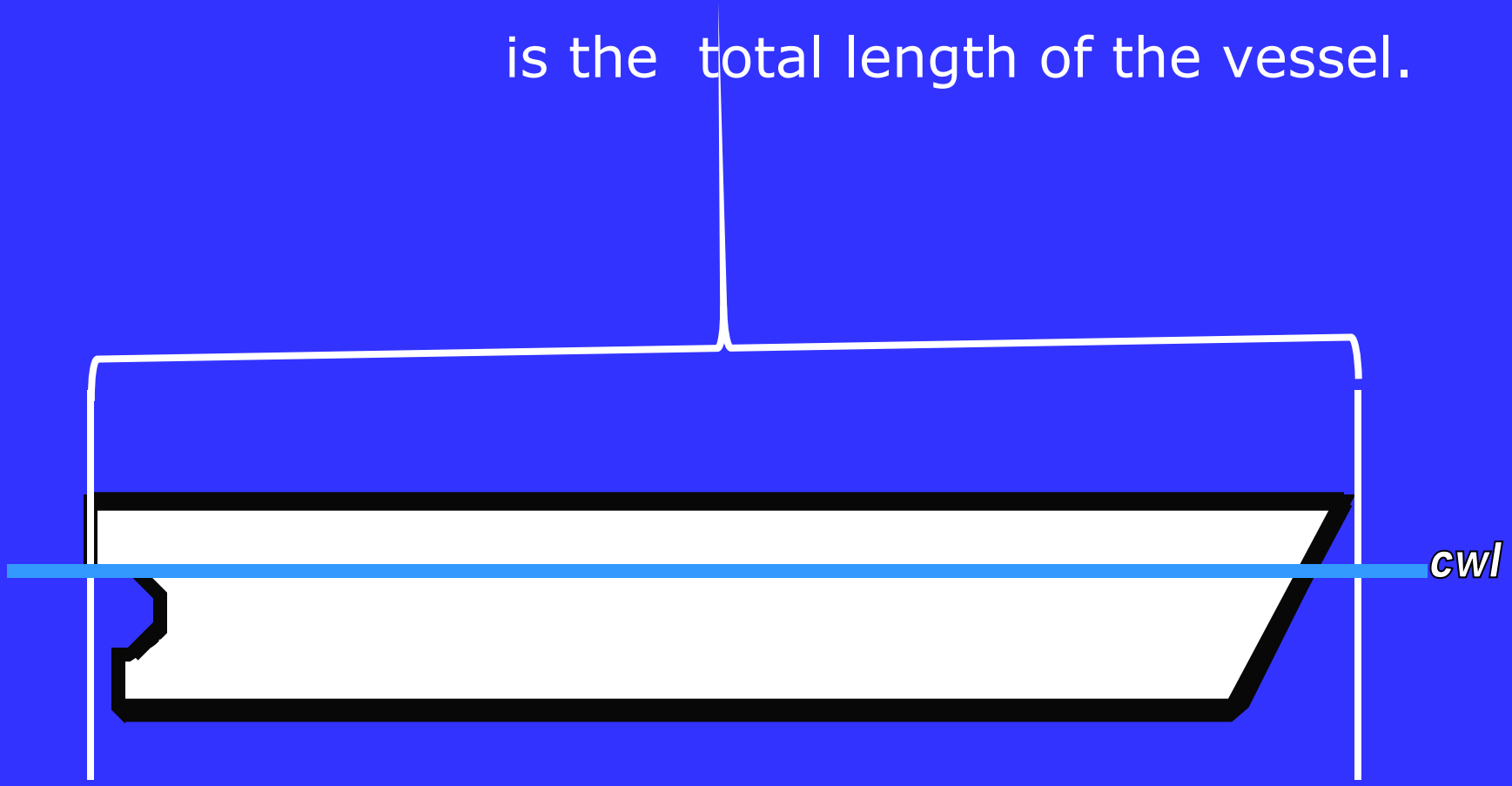
Deadweight

- By deadweight is understood the weight of her contents:
- cargo -
  bunkers - (fuel / lubricating oil / ballast water / fresh water/ potable water)
  equipment -
  stores.

answer

Ship's dimensions

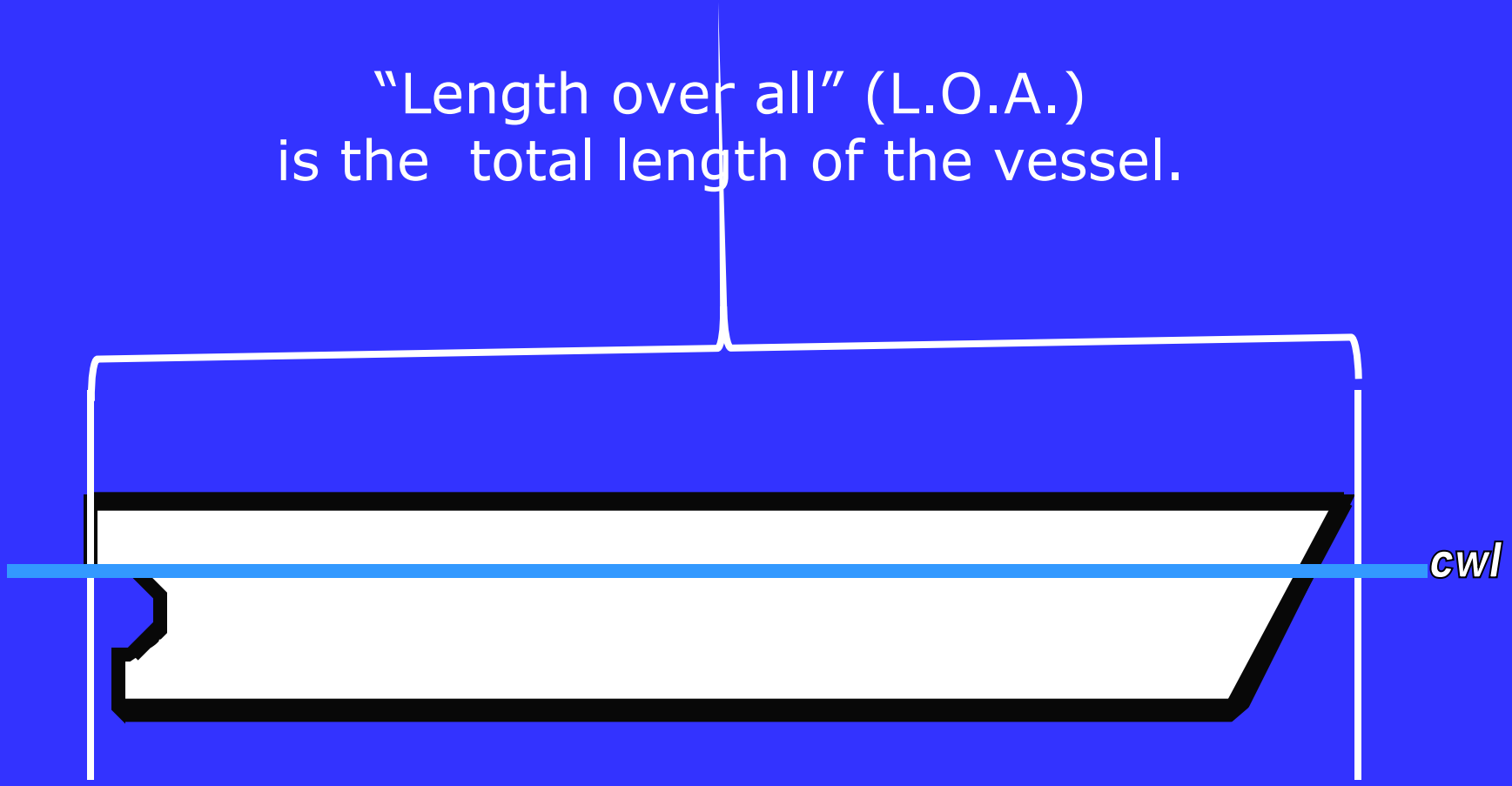
is the total length of the vessel.



fill in ....

Ship's dimensions

"Length over all" (L.O.A.)
is the total length of the vessel.

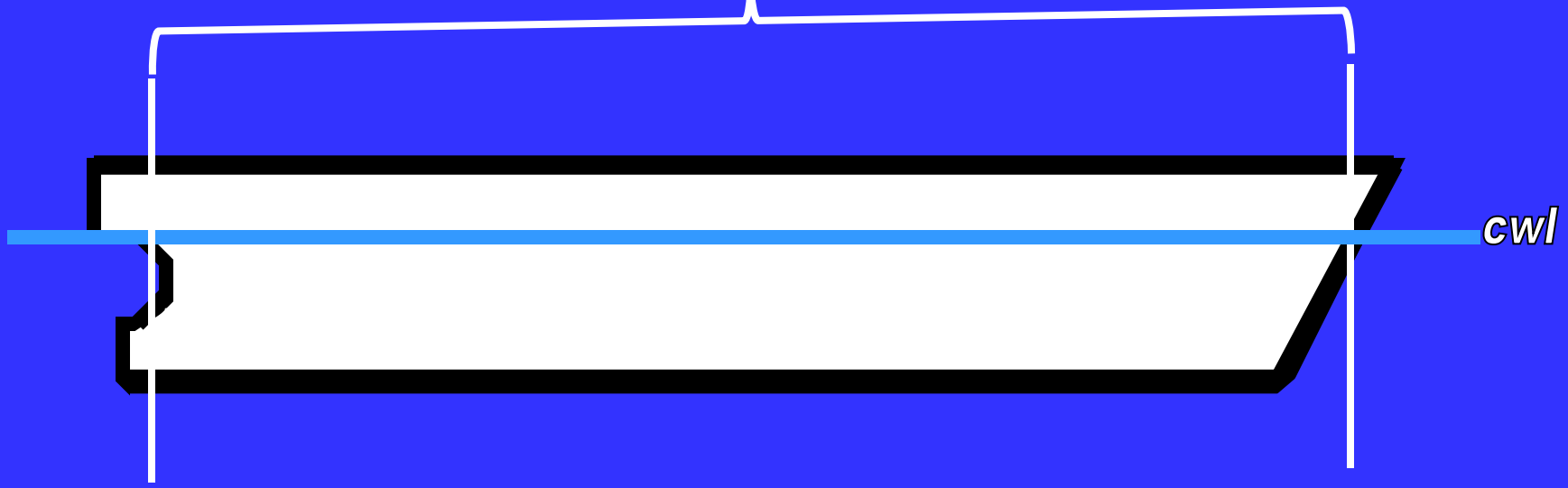


answer

Ship's dimensions

is measured between

the fpp and the app.



fill in ....

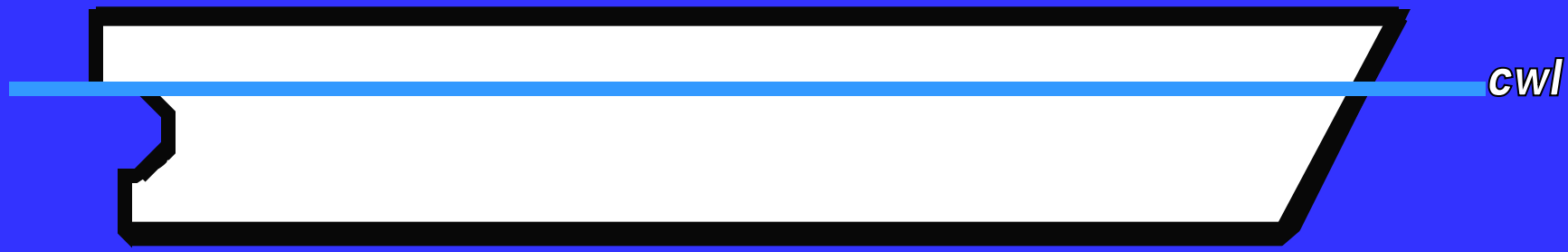
Ship's dimensions

Length Between Perpendiculars (LPP)
is measured between the fore perpendicular (fpp) and the aft perpendicular (app).

answer

Ship's dimensions

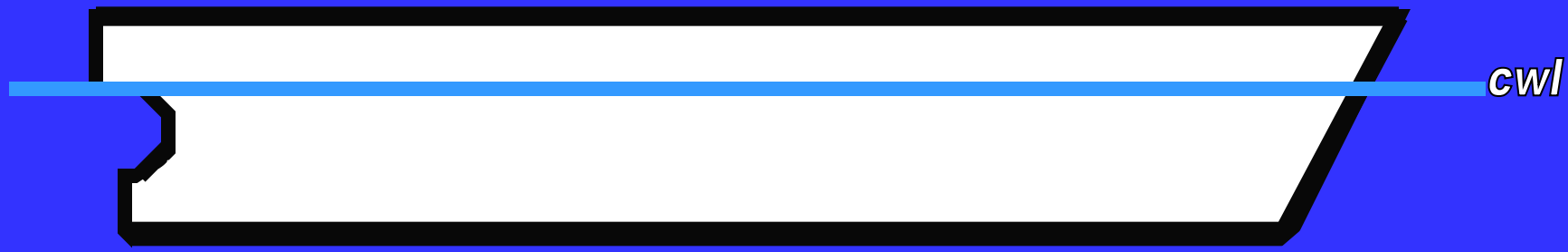
The is the line to which the ship may be loaded in summer.



fill in ....

Ship's dimensions

The Construction Waterline (CWL) or Summer Loadline is the line to which the ship may be loaded in summer.



answer

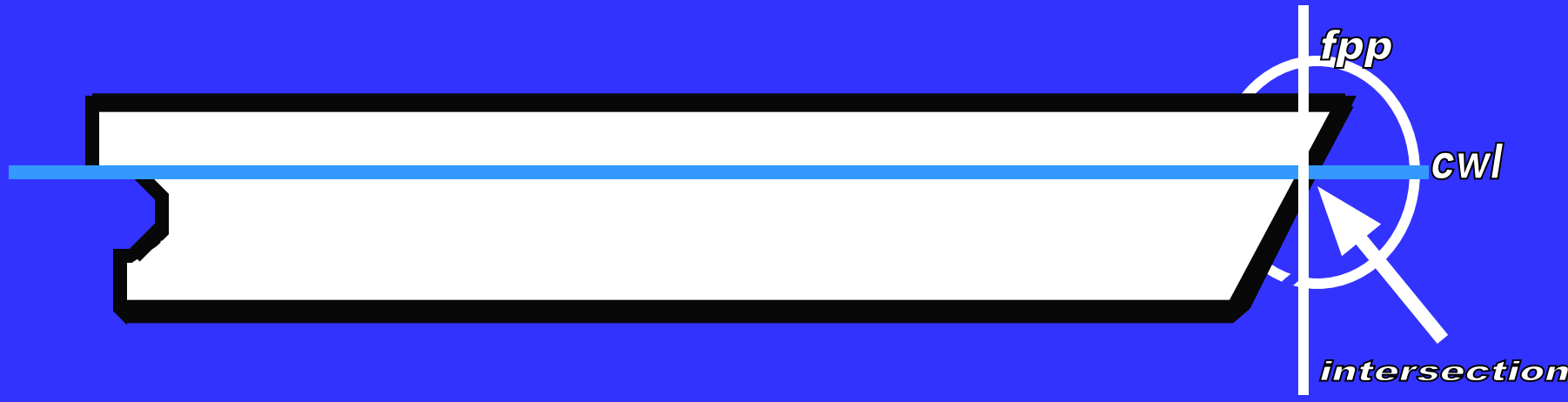
Ship's dimensions

The fpp is the vertical line through the
of the CWL and the .

fill in ....

Ship's dimensions

The fpp is the vertical line through the intersection of the CWL and the stem.



answer

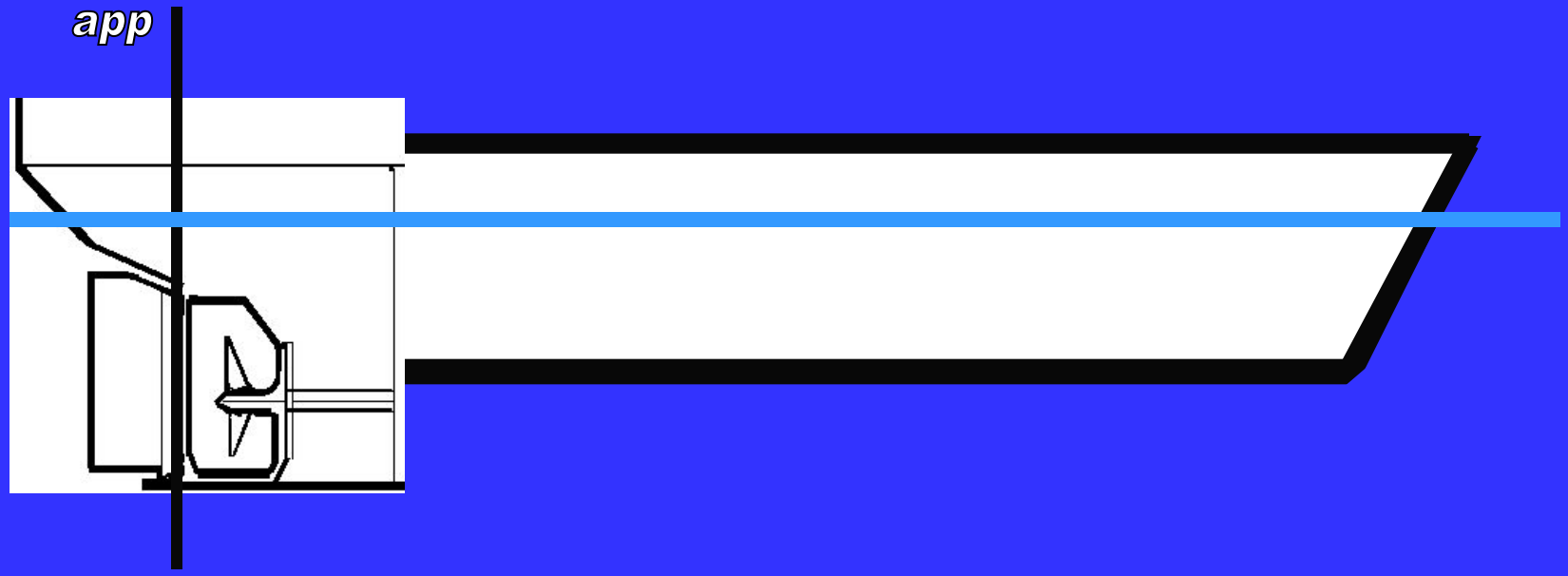
Ship's dimensions

The app goes through the .

fill in ....

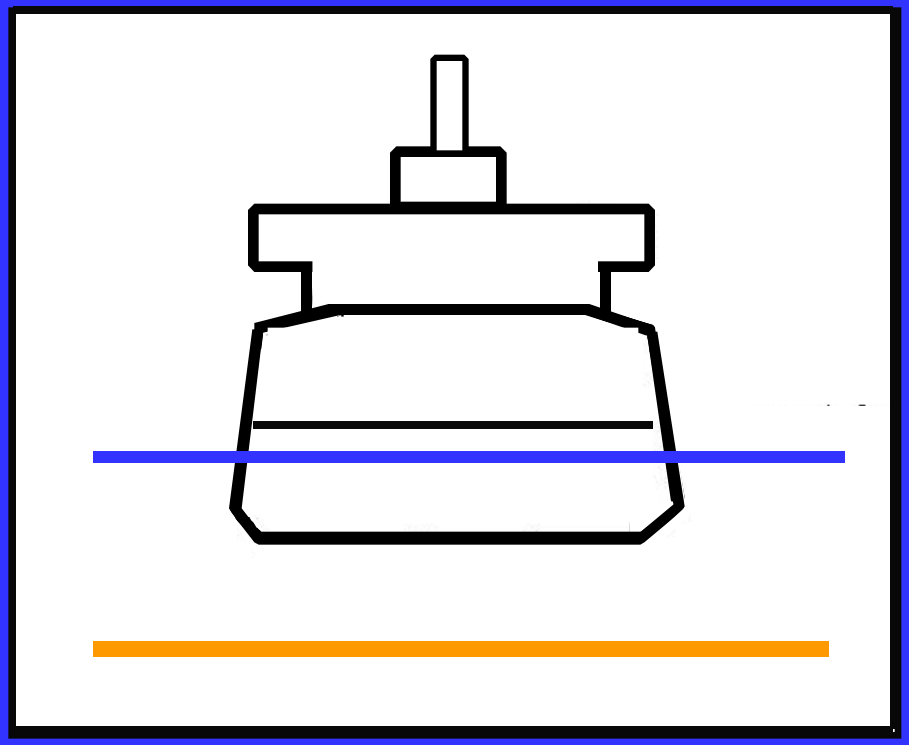
Ship's dimensions

The app goes through the rudderstock.



answer

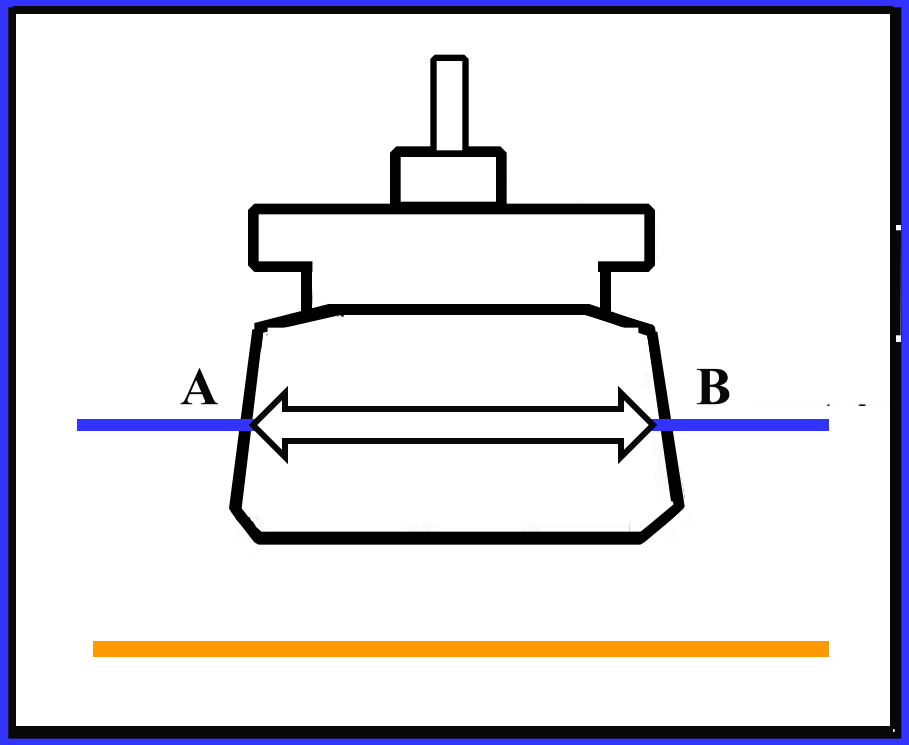
Moulded breadth



- Horizontal distance between the insides of the .

fill in ....

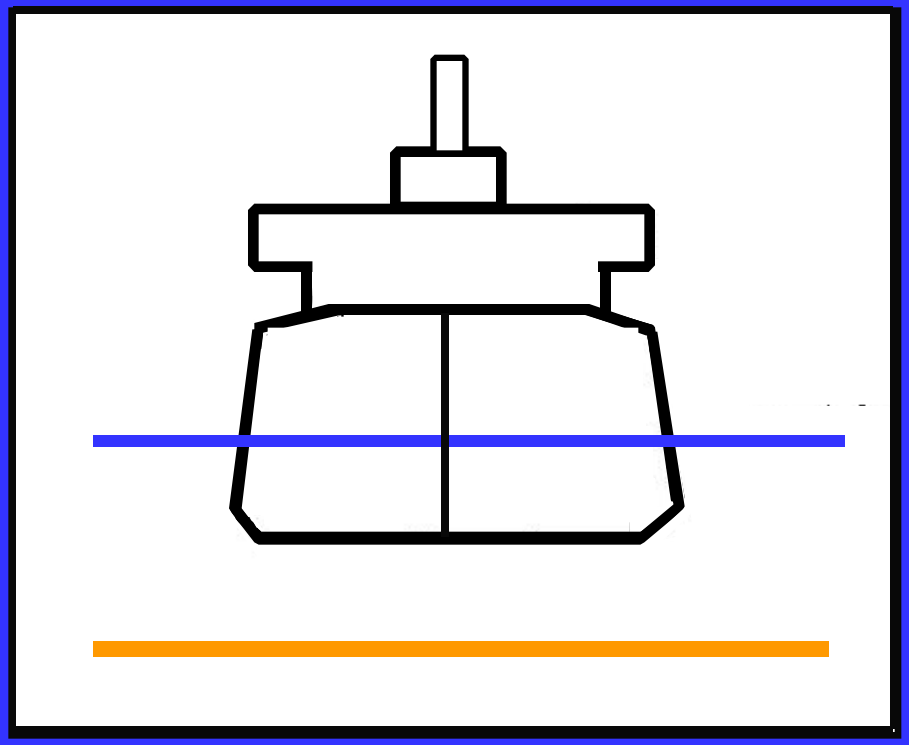
Moulded breadth



- Horizontal distance between the insides of the moulds (A-B).

answer

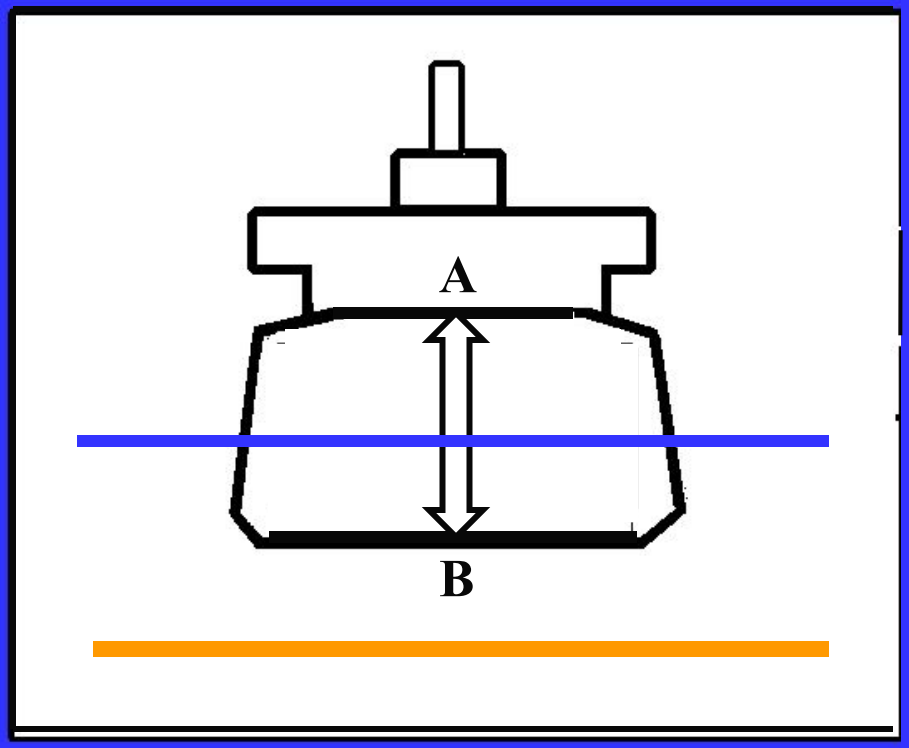
Moulded depth



. Vertical distance between the insides of the .

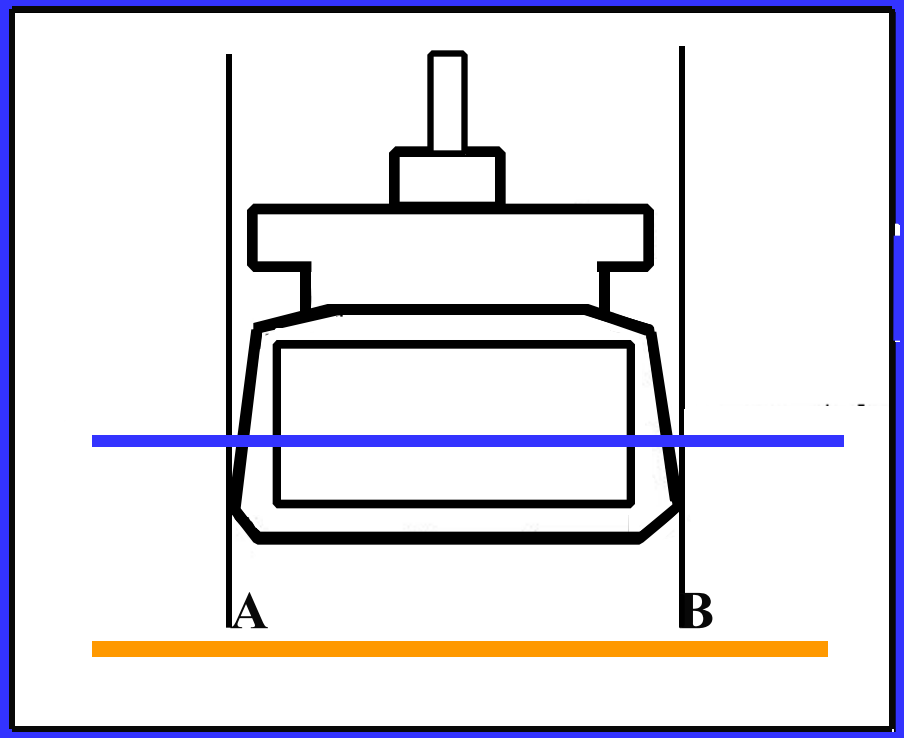
fill in ....

Moulded depth



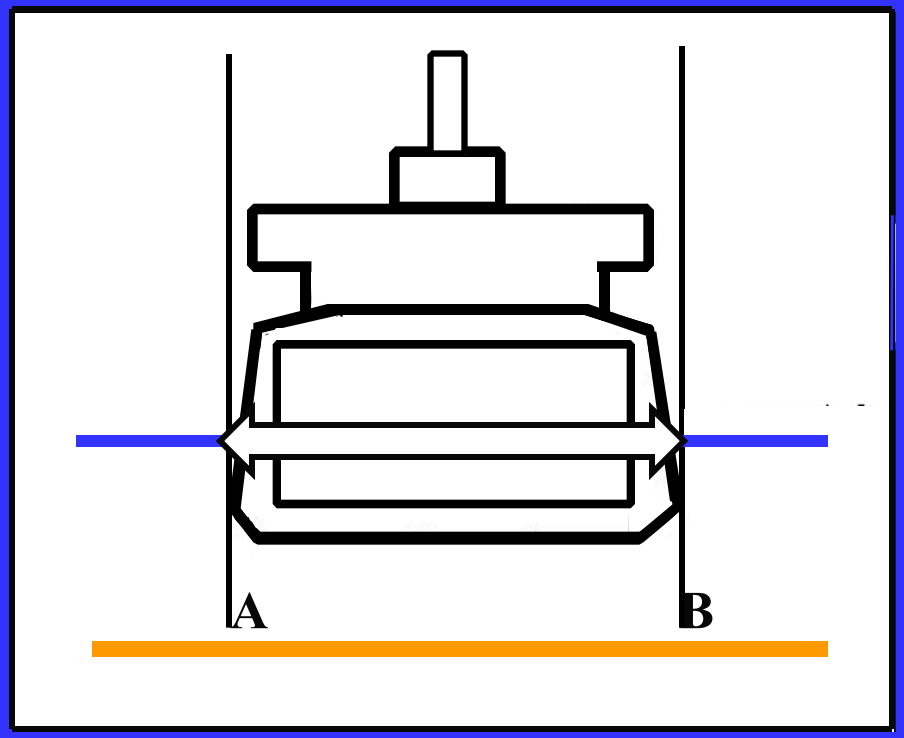
Vertical distance between the insides of the moulds (A-B).

Beam



- By beam is meant the extreme of the vessel.

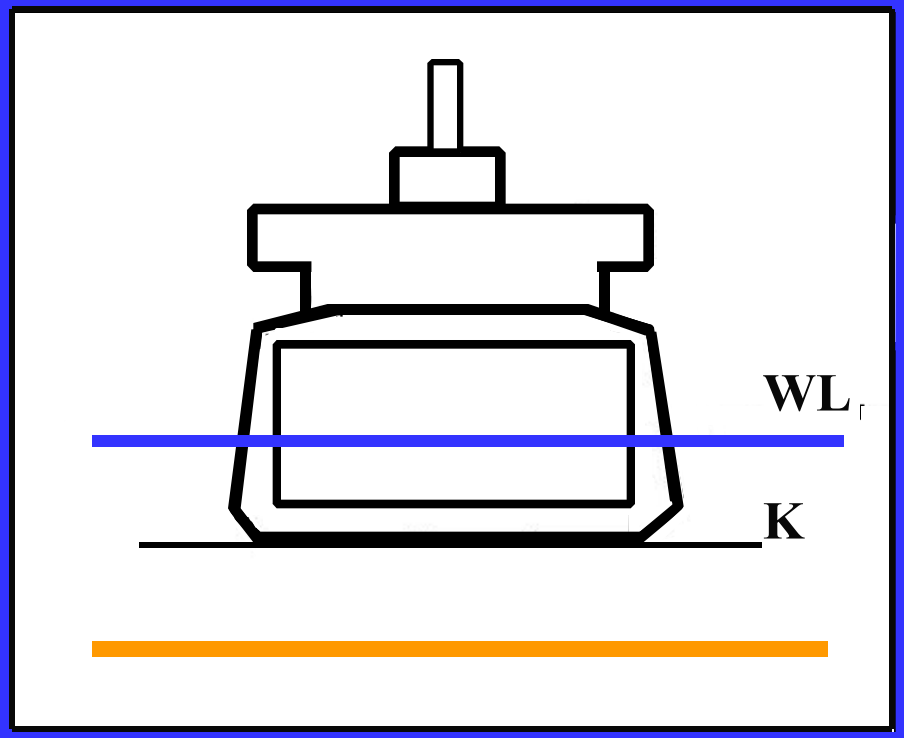
Beam



- By beam is meant the extreme breadth of the vessel (A-B).

answer

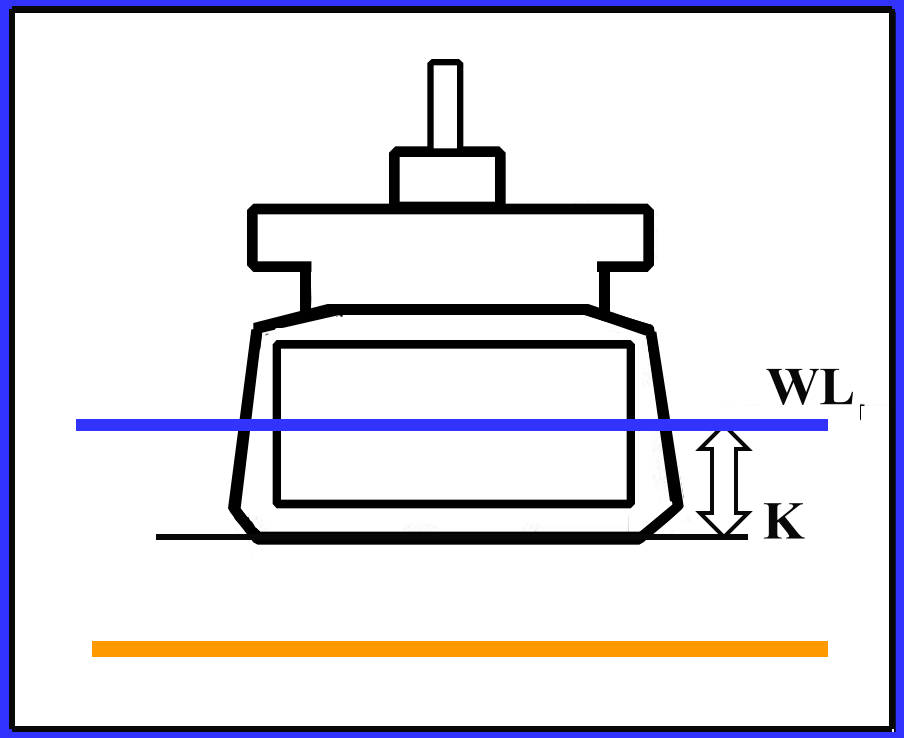
Draft



- Distance from the bottom of the keel to the of the water.

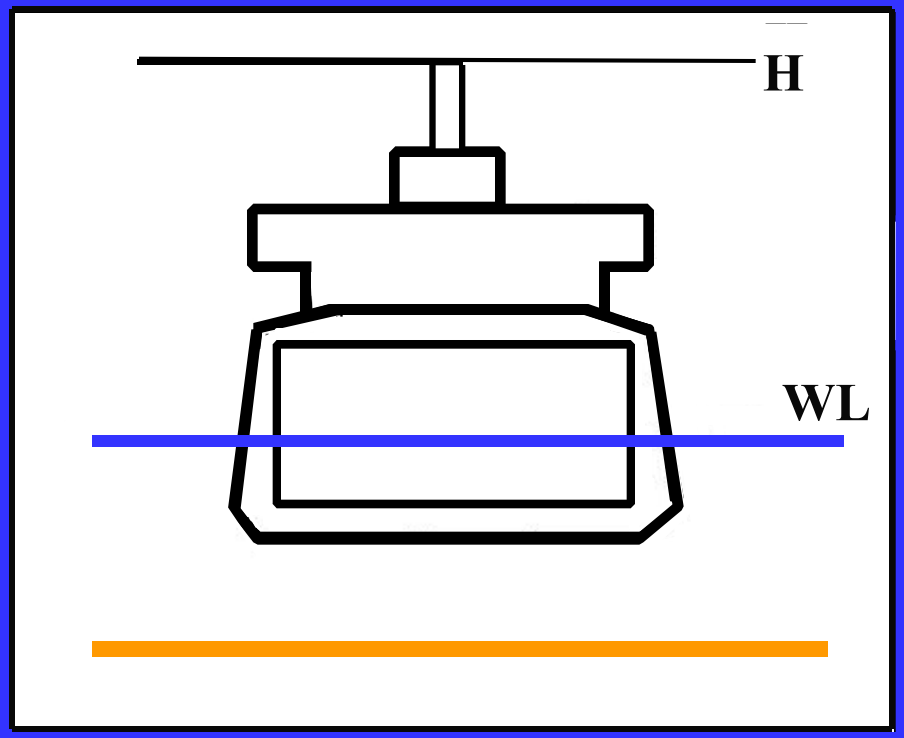
fill in ....

Draft



- Distance from the bottom of the keel to the surface of the water (WL - K).

Air draft

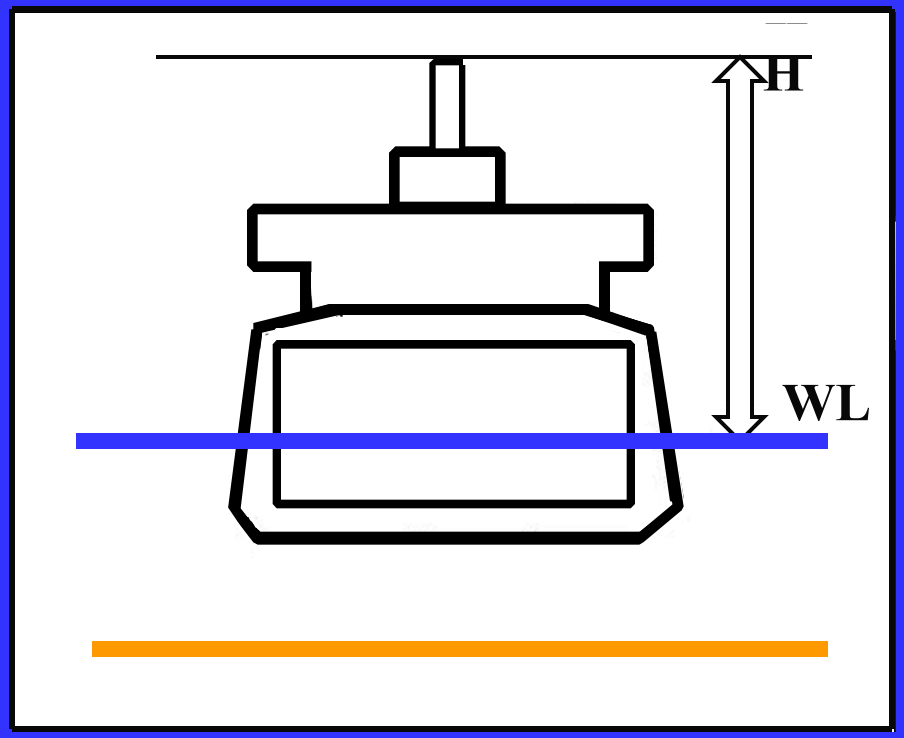


- Distance from the waterline to the

.

fill in ....

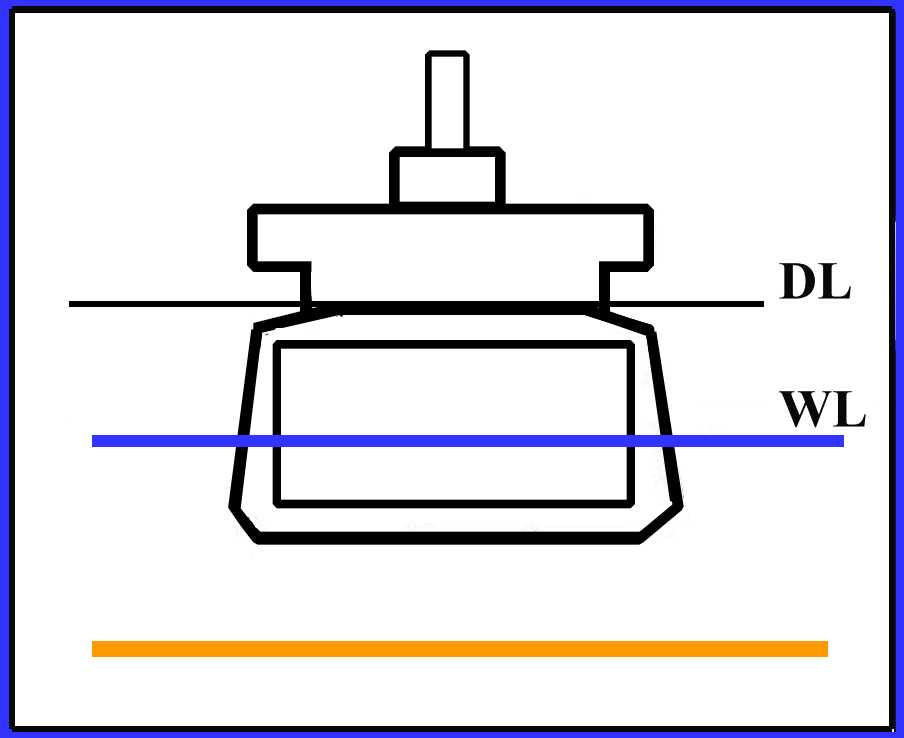
Air draft



- Distance from the waterline to the highest point of the vessel (WL - H).

answer

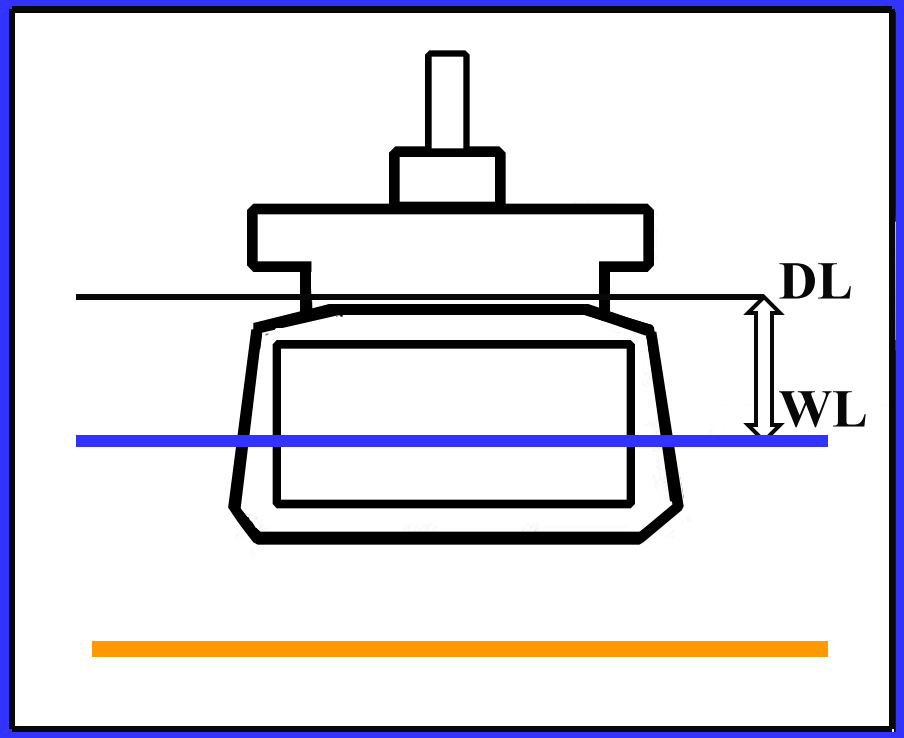
Freeboard



- Distance between and waterline.

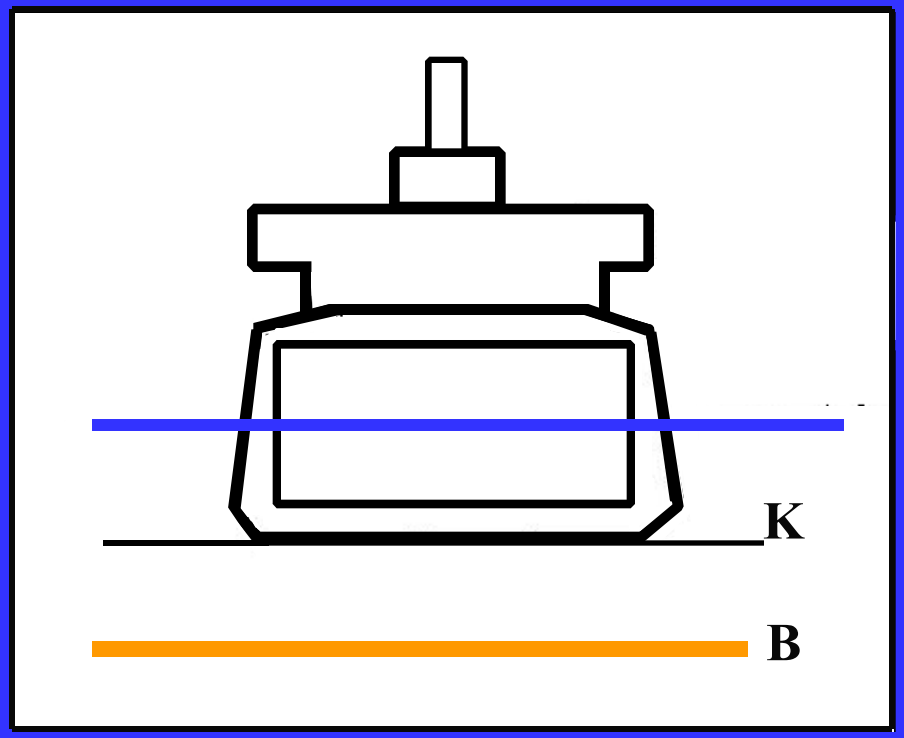
fill in ....

Freeboard



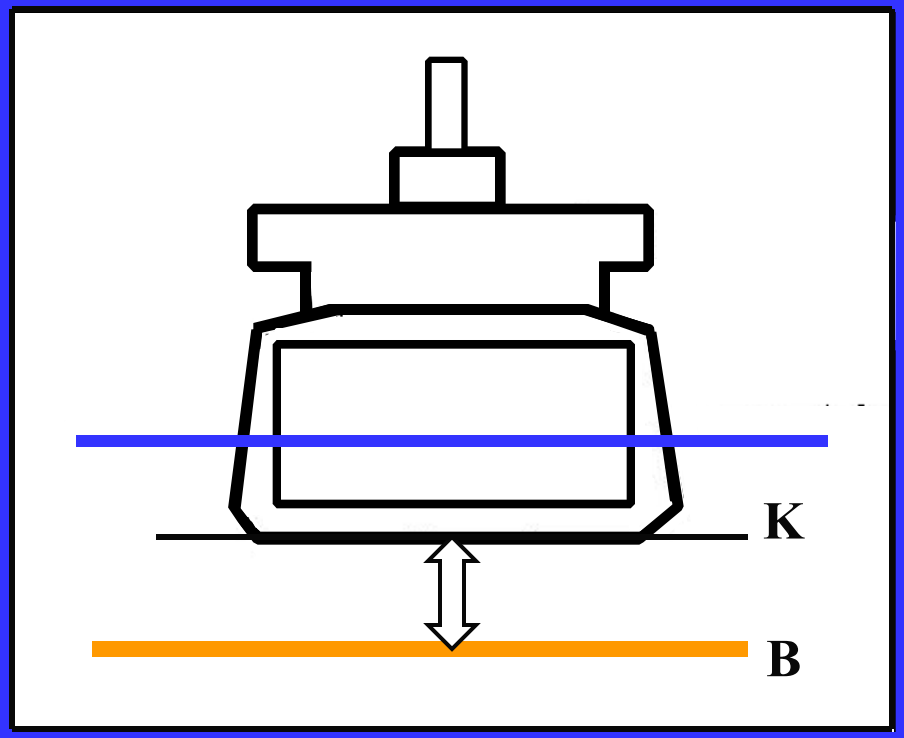
- Distance between deckline and waterline (DL - WL).

Underkeel clearance



- Distance between keel and .

Underkeel clearance



- Distance between keel and seabed (K - B).

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