

# FLOATS

## How to choose floats



### 1

#### CHOOSE PREFERRED BUOYANCY

- › Average per square foot

<b>BASIC</b>	20 lbs / sq.ft.
<b>GOOD</b>	25 lbs / sq.ft.
<b>COMMERCIAL TYPE</b>	30 lbs & + / sq.ft.

### 2

#### CHOOSE THE HEIGHT OF THE FLOAT

- › According to the free-board\* that fits your needs

EXAMPLE OF FREE-BOARD*	CORRESPONDING HEIGHTS OF FLOATS
+/- 13"	8"
+/- 17"	12"
+/- 20"	16"

\* Free-board: height of the dock above waterline with a "good" buoyancy

#### EXAMPLE OF FLOATS CALCULATION

Your use of the dock and your boats will guide you in choosing the float model you need:

- For swimming, pedal boating, canoeing or kayaking: low free-board
- For a pontoon or large motorized boat: high free-board

To calculate the amount of floats needed (for residential use, medium free-board) :

- A** Multiply the dock area (length x width) by 25 (for 25 lbs buoyancy per square foot).
- B** Divide this amount by the buoyancy capacity of the chosen float (ex. float R-450 has a capacity of 450 lbs) then round to the nearest even number.  
**Example of 8' x 12' medium free-board dock section:**  
 $8' \times 12' = 96 \text{ sq}^2$   $96 \times 25 = 2400 \text{ lbs}$   $2400 \div 450 = 5,33$  floats, so, 6x the R-450 model
- C** Make sure you have enough space to install all floats under the dock

#### CHOSEN MODEL FOR THE EXAMPLE:

Multinautic R-450 (#14008)

Buoyancy capacity of 450 lbs and height of 12"



#### HOLLOW OR FOAM-FILLED... SAME FORMAT EQUALS SAME BOUYANCY

##### Hollow float

An empty float is lighter (the dock is therefore easier to move) and less expensive.

If a float gets damaged by banging on big rocks, constant friction on lake bottom or being attached without large flat washers, it would not be repairable and would fill with water very quickly. 1-year warranty. \*

##### Foam-filled:

More robust, heavier, it results in a more stable dock but is more difficult to get out of the water.

If a small break occurs, it can take several years before the float loses its efficiency as it is filled with an expanded foam that takes all the space and will not let the water seep in. 15-year warranty \*

\* Against manufacturing defect and on a pro rata basis.

