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Water Sports Equipment in Chile

DIN · EN · Free summary

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Summary — a market for systems and continuity of use

The market for surface water sports goods combines equipment, protective gear, components and lifecycle support. The evidence shows imports, stated manufacturing activity and a range of interfaces. It cannot establish a complete retail TAM by discipline.

In Chile's DIN records, combined CIF for 950621 and 950629 rose from USD 6,084,313.27 in 2024 to USD 8,039,000.47 in 2025 (32.13%). This total describes part of the supply observed at customs. It cannot be allocated by discipline or interpreted as final sales.

Purchasing decisions should distinguish product identity, basket contents, availability, stated capacity and interface. A public SUP example distinguishes user weight from buoyancy load. Treating them as the same attribute can invalidate a comparison [T15].

The original 27-case design is retained. At service lives of 60/100/140 uses, remaining life explains 91.38% of the variance in the repair ceiling. When it is narrowed to 95/100/105, its share falls to 14.21% and return to service accounts for 40%. This changes which uncertainty to address first within the model. None of the figures describes the market.

The tool retains technical suitability as an initial gate, as well as economic parity and scheduling with reserve units. The repair criterion, broad intervals and original grid use distinct assumptions, which are identified separately and cannot be added together.

Confidence is higher in documentary identity and reproducibility than in demand, shares, output, actual inventory or technical service lives. There is no demonstrated willingness to pay for this intelligence or certification of safety. The scope remains goods, with services considered only as context for continuity.

A frontier for reserve units and return to service is added. The same repair can meet or fail the criterion as the number of sessions that can be served changes. Robustness holds within specified parameters and does not replace technical suitability.

Reserves — the same quote can reverse the economic decision

Assume 100 uses after repair, 200 when new, a new unit costing CLP 200,000, logistics of 15,000, a repair quote of 70,000, replacement on day 3 and repair on day 8. Daily demand remains 3,3,6,6,6,6,6,3,3,3, with contribution of 5,000 per session and one session per unit per day.

With four base units, repair loses five sessions: D is 25,000 and ceiling T is 60,000. The quote exceeds the ceiling. With six base units, no session is lost: D is 0 and T is 85,000. The same quote meets the criterion. Age, life, quote and downtime are identical. Reserves and demand that can be served account for the difference.

This shows a concrete limitation of representing continuity by downtime days and a fixed daily charge alone. It does not establish that any specific free product gives a wrong answer. A user could adapt the charge after reconstructing reserve capacity. This edition explains and provides that reconstruction.

The result is economic and conditional. Unknown suitability leaves the decision pending, while confirmed incompatibility excludes the option. Neither a favourable formula nor six available units certifies safety, commercial stock or future demand.

With four units, the same total demand of 45 sessions, distributed as 6, 6, 3, 3, 3, 3, 3, 6, 6, 6, puts D at CLP 0. The ceiling rises to CLP 85,000 even though the return dates and quote are unchanged. The timing of the shortage relative to demand matters.

Robust frontier — reserves, return and unknown life

The new frontier uses 90 to 110 uses after repair and a quote of CLP 75,000, retaining the other assumptions. It explores base sizes 3 to 6 and return days 1 through 10: forty combinations, each with a minimum and maximum ceiling. The interval has no probability distribution.

With six base units, repair weakly meets the criterion throughout the life interval for all ten return days. The lowest ceiling is 75,000, equal to the quote. With base sizes 3, 4 or 5, only returns on days 1 to 3 robustly meet the same criterion. The other cases are classified as replacement or indeterminate using both bounds.

Checking the bounds covers every intermediate life because T increases linearly with life under these parameters. It does not cover other schedules, recurring failures, residual value, discounting or technical defects. Robustness applies to the model alone.

The CSV retains all forty rows and the local HTML lets readers change minimum life, maximum life and quote. This turns a general research priority into a specific question: which input could change the criterion for my reserve capacity and return date? With sufficient internal information, a spreadsheet remains a viable substitute.

Method, sources and scope of this summary

The examples are original calculations with hypothetical inputs. They do not establish demand, contracts, actual savings or safety. The full edition retains the market analysis, original sources and tools.

The local CSV and HTML files in the full edition reproduce each row. Agreement between Python and JavaScript verifies the calculations. Interface checks for the tools are separate.

The public descriptions of Decide Helper and Calcimator were accessed in October 2026. The review read their content without running the engines. It does not establish accuracy or unobserved features.

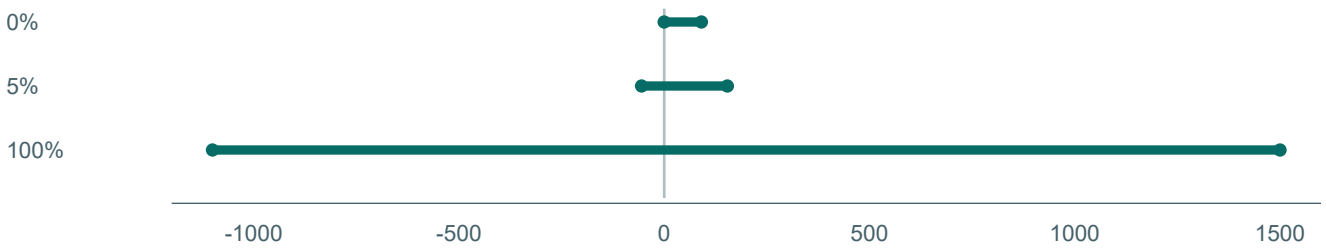
- Contains information from Chile’s National Customs Service DIN import records, available under ODC-By 1.0. Own calculations use item-level CIF and exclude records lacking the required fields.https://datos.gob.cl/api/3/action/package_show?id=096c3946-657e-420f-ae74-2337c00b5ba2https://datos.gob.cl/api/3/action/package_show?id=385fb63b-c898-4690-aa3f-d59d933fc30chttps://datos.gob.cl/api/3/action/package_show?id=984f4871-8a8e-436d-a77e-0bebe9d8af68https://opendatacommons.org/licenses/by/1-0/
- [T15] https://www.decathlon.cl/p/pack-stand-up-paddle-inflable-10-6-1-2-personas-hasta-130-kg/356321/c40c113m8901115
- [T19] https://decidehelper.com/shopping/should-i-repair-or-replace-tool.html
- [T20] https://calcimator.com/calculators/budgeting-savings/repair-vs-replace

What the supply signal analysis changes

Chile · Observed imports · Item-level CIF in USD · 2024–2026

The study separates tariff codes, item descriptions and administrative status. The surf/bodyboard case shows why a 19.96% rise in 950629 alone is insufficient to expand inventory. The university tender shows why a four-lot budget cannot serve as a unit price. The canoeing register separates status changes from possible new entries. The cases inform sourcing and customer research. Prices actually paid, ongoing operations and private demand remain unidentified.

Surf/bodyboard · 950629 · change from August–September 2025 to 2026



Ranges for the change in documented value under maximum allocation of unlabelled or ambiguous CIF in each period. Axis in thousands of USD CIF. The ranges have no statistical confidence level.

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Chile's National Customs Service, DIN import records