

Guide to cost standards for dredging equipment 2024

Indexation 2025

C818 A guide to cost standards for dredging equipment 2024 gives the replacement value ex-works, yard or importer and exclusive of VAT, in Europe on 1 January 2024 for several types of dredging equipment.

As there is no specific European index for ship building and/or hull structures available, IADC has assessed the indexation 2025 using the following Eurostat indices:

- C242 (manufacture of tubes, pipes, hollow profiles and related fittings, of steel) for steel pipelines.
- C2211 (manufacture of rubber tyres and tubes, retreading and rebuilding of rubber tyres) for rubber pipelines and pressure hoses.
- C2511 (manufacture of metal structures and part of structures) for hull steel.
- C2811 (manufacture of engines and turbines, except aircraft, vehicle and cycle engines).
- C2813 (manufacture of other pumps and compressors).

The assessed indices that are shown in the table are all based on the appropriate weighted combinations of last years' Eurostat indices.

Group	CIRIA category	Description	Index 1-1-2025
A	100, 101, 610, 620, 630	Trailing suction hopper dredgers, side stone-dumping vessels, Inland, self-propelled hopper vessels (with suction or trailing pipe), sea-going, self-propelled dumping barges	102
B	200, 201, 202, 310, 320, 330	Cutter suction dredgers, suction dredgers, barge-loading suction dredgers, Barge-unloading dredgers	102
C	400, 401	Boosters	102
D	No longer in use		
E	510, 511, 520, 521, 530, 621, 631, 632, 633	Backhoe dredgers, pontoon with excavators on tracks, grab dredgers, pontoons with cable cranes on tracks, bucket dredgers, inland, self-propelled hopper vessels (without suction or trailing pipe), dumping barges (not sea-going)	101
F	622, 810	Inland hopper barges, pontoons	99
G	820, 821, 822, 830, 831, 832, 840	Multi-purpose pontoons, tugboats, high speed crew and survey launches	102
H	91x, 920, 940, 941	Steel pipelines	95
I	930, 931, 942, 943	(Armoured) Self-floating rubber pipelines, (armoured) pressure hoses	100

Further background guidance on the original indexation and the process of updating the index is provided overleaf.

Annual indexation of the CIRIA cost standards for dredging equipment

As there is no Eurostat index for individual pieces of dredging equipment a composite index would best approximate changes in the cost of equipment.

In 2024, when the cost standards were published, the following composite index was set by IADC and accepted by the CIRIA project steering group.

Group	Description	Rubber C2211	Steel pipes C242	Steel structures C2511	Engines C2811	Pumps C2813
A	TSHD			30%	50%	20%
B	CSD			20%	40%	40%
C	Boosters			20%		80%
D	No longer in use					
E	Backhoe			50%	30%	20%
F	Pontoon			100%		
G	Multicat-tugs			20%	40%	40%
H	Steel pipe		100%			
I	(armoured) Rubber	100%				

Process of indexation

- IADC's Secretary General starts collecting Eurostat data end-February for the following indices:
 - C2211 (manufacture of rubber tyres and tubes, re-treading and re-building of rubber tyres)
 - C242 (manufacture of tubes, pipes, hollow profiles and related fittings, of steel)
 - C2511 (manufacture of metal structures and parts of structures)
 - C2811 (manufacture of engines and turbines, except aircraft, vehicle and cycle engines)
 - C2813 (manufacture of other pumps and compressors).

From: <http://ec.europa.eu/eurostat/web/short-term-business-statistics/data/database>

Producer prices in industry, domestic market – annual data (2023 = 100)

- Based on these individual indices the composite index is calculated.
- The composite indices and the way of working are reviewed by IADC's indexation committee. Representatives of IADC members have a seat on this committee.
- After approval of the indices by the indexation committee a review is conducted by an independent dredging consultant.
- A letter with the result of the review is sent to CIRIA and IADC.
- IADC request CIRIA to publish the indexation as soon as possible.