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Global Electro-hydraulic Steering Gear Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/GB7A9F76BDA8EN.html
Date: February 2026
Pages: 135
Price: US$ 4,480.00 (Single User License)
ID: GB7A9F76BDA8EN

Abstracts

The global Electro-hydraulic Steering Gear market size is expected to reach $ 4021 million by 2032, rising at a market growth of 4.7% CAGR during the forecast period (2026-2032).

In 2025, global Electro-hydraulic Steering Gear production reached approximately 94k units, with an average global market price of around US$30k per unit.

An electro-hydraulic steering gear uses an electric motor-driven hydraulic power unit to pressurize oil and actuate hydraulic rams or rotary-vane mechanisms that turn the rudder via the tiller/stock, enabling precise and responsive ship steering. It typically consists of a power unit (motor+pump+reservoir/filters), an actuator set (ram or rotary vane), and a control/follow-up system (bridge/local control, feedback sensors, alarms/interlocks), with redundancy and fail-safe design emphasized; in marine applications, SOLAS specifies additional requirements for electric/electro-hydraulic steering gears (e.g., power supply circuits and independent control systems).

Upstream inputs include hydraulics and sealing (pumps/valves/cylinders/hoses/seals), motors and controls (motors, starters/protection, PLC/IO, sensors), mechanical structures (cast/forged housings, linkages/tillers, bearings), and hydraulic fluids/filtration. Representative supplier ecosystems include Bosch Rexroth, Parker Hannifin, SKF, and ABB. Midstream consists of steering-gear OEMs/system integrators delivering the steering gear, control panels and follow-up systems under class certification; Wartsila provides commonly used taxonomy of steering gear types. Downstream customers are shipyards and vessel owners/operators (merchant, offshore, workboats, etc.), with procurement tightly tied to class rules, maneuverability requirements, and acceptance testing.

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The electro-hydraulic steering gear market is shaped by “regulation-anchored essential demand plus system-integration upgrades.” Newbuild and retrofit cycles in merchant and workboat segments, together with SOLAS/class requirements around redundancy, independent control systems, power-supply circuits, and testing drills, keep steering gear a compliance-critical system. Competition is increasingly moving beyond mechanical/hydraulic robustness toward controls and maintainability—condition monitoring (pressure/temperature/valve position/motor load), diagnostics and remote support interfaces, and tighter integration with autopilots and bridge/engine monitoring systems. Electrification and efficiency targets also encourage more efficient pump/control strategies (e.g., VFD-driven units) and designs that reduce leakage and improve seal life. Key drivers include fleet renewal, high-reliability maneuverability needs in special-purpose/offshore vessels, and lifecycle O&M optimization. Headwinds include shipping-cycle volatility, strong shipyard cost pressure, engineering cost inflation from class/ship-type customization, and supply variability of critical purchased components (high-end valves, seals, controllers) impacting lead time and cost. Overall, buyers value “proven reliability + compliance certification + delivery/service capability” as much as headline specs.

This report studies the global Electro-hydraulic Steering Gear production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Electro-hydraulic Steering Gear and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Electro-hydraulic Steering Gear that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Electro-hydraulic Steering Gear total production and demand, 2021-2032, (K Units)
Global Electro-hydraulic Steering Gear total production value, 2021-2032, (USD Million)
Global Electro-hydraulic Steering Gear production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)
Global Electro-hydraulic Steering Gear consumption by region & country, CAGR, 2021-2032 & (K Units)
U.S. VS China: Electro-hydraulic Steering Gear domestic production, consumption, key domestic manufacturers and share
Global Electro-hydraulic Steering Gear production by manufacturer, production, price,

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value and market share 2021-2026, (USD Million) & (K Units)
Global Electro-hydraulic Steering Gear production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)
Global Electro-hydraulic Steering Gear production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Electro-hydraulic Steering Gear market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Mitsubishi Heavy Industries, Kawasaki, HyDrive Engineering, Hydrodrive, Damen Marine Components, Jastram Engineering, Lewmar, Dana Incorporated, Poclain Hydraulics, Lloyds Engineering Works, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Electro-hydraulic Steering Gear market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Electro-hydraulic Steering Gear Market, By Region:

United States

China

Europe

Japan

South Korea

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ASEAN

India

Rest of World

Global Electro-hydraulic Steering Gear Market, Segmentation by Type:

Reciprocating

Rotary

Global Electro-hydraulic Steering Gear Market, Segmentation by Control Components:

Valve-Controlled Type

Pump-Controlled Type

Global Electro-hydraulic Steering Gear Market, Segmentation by Steering Method:

Electric

Manual

Global Electro-hydraulic Steering Gear Market, Segmentation by Application:

Merchant Ships

Engineering Vessels

Military Ships

Others

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Companies Profiled:

Mitsubishi Heavy Industries

Kawasaki

HyDrive Engineering

Hydrodrive

Damen Marine Components

Jastram Engineering

Lewmar

Dana Incorporated

Poclain Hydraulics

Lloyds Engineering Works

Wuhan Marine Machinery

CSSC Chongqing Hydraulic Mechanical-Electronical

China Transmission

Dongzhou Marine Equipment

Key Questions Answered:

1. How big is the global Electro-hydraulic Steering Gear market?
2. What is the demand of the global Electro-hydraulic Steering Gear market?
3. What is the year over year growth of the global Electro-hydraulic Steering Gear market?
4. What is the production and production value of the global Electro-hydraulic Steering Gear market?
5. Who are the key producers in the global Electro-hydraulic Steering Gear market?

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6. What are the growth factors driving the market demand?

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Contents

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3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

4 UNITED STATES VS CHINA VS REST OF THE WORLD

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12 APPENDIX

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List Of Tables

LIST OF TABLES

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List Of Figures

LIST OF FIGURES

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