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# Global Offshore Wind Turbine Tower Flange Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Offshore Wind Turbine Tower Flange market size was valued at US$ 306 million in 2025 and is forecast to a readjusted size of US$ 540 million by 2032 with a CAGR of 8.3% during review period.

In 2025, global Offshore Wind Turbine Tower Flange production reached approximately 99.6 k tons, with an average global market price of around US$2,977 per ton. An offshore wind turbine tower flange is a large, precision-engineered steel ring used as a critical mechanical connection, joining sections of the massive tower or connecting the tower to the substructure (like a monopile or jacket foundation). These flanges must withstand extreme marine environments (salt, wind, waves) and immense structural loads, requiring robust materials, high precision, and specialized coatings to ensure the turbine's safety and decades-long operational integrity, acting as vital building blocks for the entire structure.

The offshore wind turbine tower flange market is expanding in line with accelerating offshore deployment. About 117 GW of new wind capacity was added in 2024, pushing cumulative global capacity past the 1 TW milestone, and the first half of 2025 saw 72.2 GW of additions, indicating continued momentum and increasing offshore share. Turbine upsizing and the rise of floating technology are increasing per-turbine flange counts and individual flange dimensions, raising per-MW flange mass and fabrication complexity. Opportunities stem from large tender pipelines, localization and industrial policy support, and deeper-water deployment, while constraints include port and vessel bottlenecks, lengthy permitting and grid-connection processes, supply-chain and raw-material price volatility, and challenges in achieving consistent flange quality and standards ? all of which materially affect delivery schedules and costs. Manufacturers

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and supply-chain actors should therefore accelerate local manufacturing capacity, deepen design and QA standardization, and optimize logistics and inventory to mitigate risks and capture medium-to-long-term offshore growth.

This report is a detailed and comprehensive analysis for global Offshore Wind Turbine Tower Flange market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

**Key Features:**

Global Offshore Wind Turbine Tower Flange market size and forecasts, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Offshore Wind Turbine Tower Flange market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Offshore Wind Turbine Tower Flange market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Offshore Wind Turbine Tower Flange market shares of main players, shipments in revenue ($ Million), sales quantity (Kilotons), and ASP (US$/Ton), 2021-2026

**The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Offshore Wind Turbine Tower Flange

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

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This report profiles key players in the global Offshore Wind Turbine Tower Flange market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Jiangyin Hengrun Heavy Industries, Iraeta, Shanxi Tianbao, Shanxi Shuanghuan Heavy Industry, Shanxi Jinrui Guangyuan Heavy Industry, FRISA, Taewoong, Euskal Forging, Flanschenwerk Thal, DHDZ, etc.

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

**Market Segmentation**

Offshore Wind Turbine Tower Flange market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

16MW

Market segment by Manufacturing Process

Forged Flange

Rolled Flange

Market segment by Diameter

Diameter
Diameter 8?12 m

Diameter > 12 m

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Market segment by Application

Shallow Sea

Deep Sea

Major players covered

Jiangyin Hengrun Heavy Industries

Iraeta

Shanxi Tianbao

Shanxi Shuanghuan Heavy Industry

Shanxi Jinrui Guangyuan Heavy Industry

FRISA

Taewoong

Euskal Forging

Flanschenwerk Thal

DHDZ

Wuxi Paike New Materials

CHW Forge

TP-Products

Market segment by region, regional analysis covers

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North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Offshore Wind Turbine Tower Flange product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Offshore Wind Turbine Tower Flange, with price, sales quantity, revenue, and global market share of Offshore Wind Turbine Tower Flange from 2021 to 2026.

Chapter 3, the Offshore Wind Turbine Tower Flange competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Offshore Wind Turbine Tower Flange breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and Offshore Wind Turbine Tower Flange market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

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Chapter 13, the key raw materials and key suppliers, and industry chain of Offshore Wind Turbine Tower Flange.

Chapter 14 and 15, to describe Offshore Wind Turbine Tower Flange sales channel, distributors, customers, research findings and conclusion.

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## 4 CONSUMPTION ANALYSIS BY REGION

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