

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

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

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

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

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.

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.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Offshore Wind Turbine Tower Flange Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 16MW

1.4 Market Analysis by Manufacturing Process

1.4.1 Overview: Global Offshore Wind Turbine Tower Flange Consumption Value by Manufacturing Process: 2021 Versus 2025 Versus 2032

1.4.2 Forged Flange

1.4.3 Rolled Flange

1.5 Market Analysis by Diameter

1.5.1 Overview: Global Offshore Wind Turbine Tower Flange Consumption Value by Diameter: 2021 Versus 2025 Versus 2032

1.5.2 Diameter 8-12 m

1.5.4 Diameter > 12 m

1.6 Market Analysis by Application

1.6.1 Overview: Global Offshore Wind Turbine Tower Flange Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Shallow Sea

1.6.3 Deep Sea

1.7 Global Offshore Wind Turbine Tower Flange Market Size & Forecast

1.7.1 Global Offshore Wind Turbine Tower Flange Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Offshore Wind Turbine Tower Flange Sales Quantity (2021-2032)

1.7.3 Global Offshore Wind Turbine Tower Flange Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Jiangyin Hengrun Heavy Industries

2.1.1 Jiangyin Hengrun Heavy Industries Details

2.1.2 Jiangyin Hengrun Heavy Industries Major Business

2.1.3 Jiangyin Hengrun Heavy Industries Offshore Wind Turbine Tower Flange Product and Services

2.1.4 Jiangyin Hengrun Heavy Industries Offshore Wind Turbine Tower Flange Sales

Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Jiangyin Hengrun Heavy Industries Recent Developments/Updates

2.2 Iraeta

2.2.1 Iraeta Details

2.2.2 Iraeta Major Business

2.2.3 Iraeta Offshore Wind Turbine Tower Flange Product and Services

2.2.4 Iraeta Offshore Wind Turbine Tower Flange Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 Iraeta Recent Developments/Updates

2.3 Shanxi Tianbao

2.3.1 Shanxi Tianbao Details

2.3.2 Shanxi Tianbao Major Business

2.3.3 Shanxi Tianbao Offshore Wind Turbine Tower Flange Product and Services

2.3.4 Shanxi Tianbao Offshore Wind Turbine Tower Flange Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Shanxi Tianbao Recent Developments/Updates

2.4 Shanxi Shuanghuan Heavy Industry

2.4.1 Shanxi Shuanghuan Heavy Industry Details

2.4.2 Shanxi Shuanghuan Heavy Industry Major Business

2.4.3 Shanxi Shuanghuan Heavy Industry Offshore Wind Turbine Tower Flange Product and Services

2.4.4 Shanxi Shuanghuan Heavy Industry Offshore Wind Turbine Tower Flange Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Shanxi Shuanghuan Heavy Industry Recent Developments/Updates

2.5 Shanxi Jinrui Guangyuan Heavy Industry

2.5.1 Shanxi Jinrui Guangyuan Heavy Industry Details

2.5.2 Shanxi Jinrui Guangyuan Heavy Industry Major Business

2.5.3 Shanxi Jinrui Guangyuan Heavy Industry Offshore Wind Turbine Tower Flange Product and Services

2.5.4 Shanxi Jinrui Guangyuan Heavy Industry Offshore Wind Turbine Tower Flange Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Shanxi Jinrui Guangyuan Heavy Industry Recent Developments/Updates

2.6 FRISA

2.6.1 FRISA Details

2.6.2 FRISA Major Business

2.6.3 FRISA Offshore Wind Turbine Tower Flange Product and Services

2.6.4 FRISA Offshore Wind Turbine Tower Flange Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 FRISA Recent Developments/Updates

2.7 Taewoong

2.7.1 Taewoong Details

2.7.2 Taewoong Major Business

2.7.3 Taewoong Offshore Wind Turbine Tower Flange Product and Services

2.7.4 Taewoong Offshore Wind Turbine Tower Flange Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Taewoong Recent Developments/Updates

2.8 Euskal Forging

2.8.1 Euskal Forging Details

2.8.2 Euskal Forging Major Business

2.8.3 Euskal Forging Offshore Wind Turbine Tower Flange Product and Services

2.8.4 Euskal Forging Offshore Wind Turbine Tower Flange Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 Euskal Forging Recent Developments/Updates

2.9 Flanschenwerk Thal

2.9.1 Flanschenwerk Thal Details

2.9.2 Flanschenwerk Thal Major Business

2.9.3 Flanschenwerk Thal Offshore Wind Turbine Tower Flange Product and Services

2.9.4 Flanschenwerk Thal Offshore Wind Turbine Tower Flange Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Flanschenwerk Thal Recent Developments/Updates

2.10 DHDZ

2.10.1 DHDZ Details

2.10.2 DHDZ Major Business

2.10.3 DHDZ Offshore Wind Turbine Tower Flange Product and Services

2.10.4 DHDZ Offshore Wind Turbine Tower Flange Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 DHDZ Recent Developments/Updates

2.11 Wuxi Paiké New Materials

2.11.1 Wuxi Paiké New Materials Details

2.11.2 Wuxi Paiké New Materials Major Business

2.11.3 Wuxi Paiké New Materials Offshore Wind Turbine Tower Flange Product and Services

2.11.4 Wuxi Paiké New Materials Offshore Wind Turbine Tower Flange Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 Wuxi Paiké New Materials Recent Developments/Updates

2.12 CHW Forge

2.12.1 CHW Forge Details

2.12.2 CHW Forge Major Business

- 2.12.3 CHW Forge Offshore Wind Turbine Tower Flange Product and Services
- 2.12.4 CHW Forge Offshore Wind Turbine Tower Flange Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.12.5 CHW Forge Recent Developments/Updates
- 2.13 TP-Products
 - 2.13.1 TP-Products Details
 - 2.13.2 TP-Products Major Business
 - 2.13.3 TP-Products Offshore Wind Turbine Tower Flange Product and Services
 - 2.13.4 TP-Products Offshore Wind Turbine Tower Flange Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.13.5 TP-Products Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: OFFSHORE WIND TURBINE TOWER FLANGE BY MANUFACTURER

- 3.1 Global Offshore Wind Turbine Tower Flange Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global Offshore Wind Turbine Tower Flange Revenue by Manufacturer (2021-2026)
- 3.3 Global Offshore Wind Turbine Tower Flange Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of Offshore Wind Turbine Tower Flange by Manufacturer Revenue (\$MM) and Market Share (%): 2025
 - 3.4.2 Top 3 Offshore Wind Turbine Tower Flange Manufacturer Market Share in 2025
 - 3.4.3 Top 6 Offshore Wind Turbine Tower Flange Manufacturer Market Share in 2025
- 3.5 Offshore Wind Turbine Tower Flange Market: Overall Company Footprint Analysis
 - 3.5.1 Offshore Wind Turbine Tower Flange Market: Region Footprint
 - 3.5.2 Offshore Wind Turbine Tower Flange Market: Company Product Type Footprint
 - 3.5.3 Offshore Wind Turbine Tower Flange Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Offshore Wind Turbine Tower Flange Market Size by Region
 - 4.1.1 Global Offshore Wind Turbine Tower Flange Sales Quantity by Region (2021-2032)
 - 4.1.2 Global Offshore Wind Turbine Tower Flange Consumption Value by Region

(2021-2032)

4.1.3 Global Offshore Wind Turbine Tower Flange Average Price by Region

(2021-2032)

4.2 North America Offshore Wind Turbine Tower Flange Consumption Value

(2021-2032)

4.3 Europe Offshore Wind Turbine Tower Flange Consumption Value (2021-2032)

4.4 Asia-Pacific Offshore Wind Turbine Tower Flange Consumption Value (2021-2032)

4.5 South America Offshore Wind Turbine Tower Flange Consumption Value

(2021-2032)

4.6 Middle East & Africa Offshore Wind Turbine Tower Flange Consumption Value

(2021-2032)

5 MARKET SEGMENT BY TYPE

5.1 Global Offshore Wind Turbine Tower Flange Sales Quantity by Type (2021-2032)

5.2 Global Offshore Wind Turbine Tower Flange Consumption Value by Type

(2021-2032)

5.3 Global Offshore Wind Turbine Tower Flange Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Offshore Wind Turbine Tower Flange Sales Quantity by Application

(2021-2032)

6.2 Global Offshore Wind Turbine Tower Flange Consumption Value by Application

(2021-2032)

6.3 Global Offshore Wind Turbine Tower Flange Average Price by Application

(2021-2032)

7 NORTH AMERICA

7.1 North America Offshore Wind Turbine Tower Flange Sales Quantity by Type

(2021-2032)

7.2 North America Offshore Wind Turbine Tower Flange Sales Quantity by Application

(2021-2032)

7.3 North America Offshore Wind Turbine Tower Flange Market Size by Country

7.3.1 North America Offshore Wind Turbine Tower Flange Sales Quantity by Country

(2021-2032)

7.3.2 North America Offshore Wind Turbine Tower Flange Consumption Value by

Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Offshore Wind Turbine Tower Flange Sales Quantity by Type (2021-2032)

8.2 Europe Offshore Wind Turbine Tower Flange Sales Quantity by Application (2021-2032)

8.3 Europe Offshore Wind Turbine Tower Flange Market Size by Country

8.3.1 Europe Offshore Wind Turbine Tower Flange Sales Quantity by Country (2021-2032)

8.3.2 Europe Offshore Wind Turbine Tower Flange Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Offshore Wind Turbine Tower Flange Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Offshore Wind Turbine Tower Flange Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Offshore Wind Turbine Tower Flange Market Size by Region

9.3.1 Asia-Pacific Offshore Wind Turbine Tower Flange Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Offshore Wind Turbine Tower Flange Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Offshore Wind Turbine Tower Flange Sales Quantity by Type (2021-2032)

10.2 South America Offshore Wind Turbine Tower Flange Sales Quantity by Application (2021-2032)

10.3 South America Offshore Wind Turbine Tower Flange Market Size by Country

10.3.1 South America Offshore Wind Turbine Tower Flange Sales Quantity by Country (2021-2032)

10.3.2 South America Offshore Wind Turbine Tower Flange Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Offshore Wind Turbine Tower Flange Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Offshore Wind Turbine Tower Flange Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Offshore Wind Turbine Tower Flange Market Size by Country

11.3.1 Middle East & Africa Offshore Wind Turbine Tower Flange Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Offshore Wind Turbine Tower Flange Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Offshore Wind Turbine Tower Flange Market Drivers

12.2 Offshore Wind Turbine Tower Flange Market Restraints

12.3 Offshore Wind Turbine Tower Flange Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Offshore Wind Turbine Tower Flange and Key Manufacturers

13.2 Manufacturing Costs Percentage of Offshore Wind Turbine Tower Flange

13.3 Offshore Wind Turbine Tower Flange Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Offshore Wind Turbine Tower Flange Typical Distributors

14.3 Offshore Wind Turbine Tower Flange Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Offshore Wind Turbine Tower Flange Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Offshore Wind Turbine Tower Flange Consumption Value by Manufacturing Process, (USD Million), 2021 & 2025 & 2032

Table 3. Global Offshore Wind Turbine Tower Flange Consumption Value by Diameter, (USD Million), 2021 & 2025 & 2032

Table 4. Global Offshore Wind Turbine Tower Flange Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Jiangyin Hengrun Heavy Industries Basic Information, Manufacturing Base and Competitors

Table 6. Jiangyin Hengrun Heavy Industries Major Business

Table 7. Jiangyin Hengrun Heavy Industries Offshore Wind Turbine Tower Flange Product and Services

Table 8. Jiangyin Hengrun Heavy Industries Offshore Wind Turbine Tower Flange Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Jiangyin Hengrun Heavy Industries Recent Developments/Updates

Table 10. Iraeta Basic Information, Manufacturing Base and Competitors

Table 11. Iraeta Major Business

Table 12. Iraeta Offshore Wind Turbine Tower Flange Product and Services

Table 13. Iraeta Offshore Wind Turbine Tower Flange Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Iraeta Recent Developments/Updates

Table 15. Shanxi Tianbao Basic Information, Manufacturing Base and Competitors

Table 16. Shanxi Tianbao Major Business

Table 17. Shanxi Tianbao Offshore Wind Turbine Tower Flange Product and Services

Table 18. Shanxi Tianbao Offshore Wind Turbine Tower Flange Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Shanxi Tianbao Recent Developments/Updates

Table 20. Shanxi Shuanghuan Heavy Industry Basic Information, Manufacturing Base and Competitors

Table 21. Shanxi Shuanghuan Heavy Industry Major Business

Table 22. Shanxi Shuanghuan Heavy Industry Offshore Wind Turbine Tower Flange

Product and Services

Table 23. Shanxi Shuanghuan Heavy Industry Offshore Wind Turbine Tower Flange Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Shanxi Shuanghuan Heavy Industry Recent Developments/Updates

Table 25. Shanxi Jinrui Guangyuan Heavy Industry Basic Information, Manufacturing Base and Competitors

Table 26. Shanxi Jinrui Guangyuan Heavy Industry Major Business

Table 27. Shanxi Jinrui Guangyuan Heavy Industry Offshore Wind Turbine Tower Flange Product and Services

Table 28. Shanxi Jinrui Guangyuan Heavy Industry Offshore Wind Turbine Tower Flange Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. Shanxi Jinrui Guangyuan Heavy Industry Recent Developments/Updates

Table 30. FRISA Basic Information, Manufacturing Base and Competitors

Table 31. FRISA Major Business

Table 32. FRISA Offshore Wind Turbine Tower Flange Product and Services

Table 33. FRISA Offshore Wind Turbine Tower Flange Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. FRISA Recent Developments/Updates

Table 35. Taewoong Basic Information, Manufacturing Base and Competitors

Table 36. Taewoong Major Business

Table 37. Taewoong Offshore Wind Turbine Tower Flange Product and Services

Table 38. Taewoong Offshore Wind Turbine Tower Flange Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. Taewoong Recent Developments/Updates

Table 40. Euskal Forging Basic Information, Manufacturing Base and Competitors

Table 41. Euskal Forging Major Business

Table 42. Euskal Forging Offshore Wind Turbine Tower Flange Product and Services

Table 43. Euskal Forging Offshore Wind Turbine Tower Flange Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. Euskal Forging Recent Developments/Updates

Table 45. Flanschenwerk Thal Basic Information, Manufacturing Base and Competitors

Table 46. Flanschenwerk Thal Major Business

Table 47. Flanschenwerk Thal Offshore Wind Turbine Tower Flange Product and Services

Table 48. Flanschenwerk Thal Offshore Wind Turbine Tower Flange Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. Flanschenwerk Thal Recent Developments/Updates

Table 50. DHDZ Basic Information, Manufacturing Base and Competitors

Table 51. DHDZ Major Business

Table 52. DHDZ Offshore Wind Turbine Tower Flange Product and Services

Table 53. DHDZ Offshore Wind Turbine Tower Flange Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 54. DHDZ Recent Developments/Updates

Table 55. Wuxi Paiké New Materials Basic Information, Manufacturing Base and Competitors

Table 56. Wuxi Paiké New Materials Major Business

Table 57. Wuxi Paiké New Materials Offshore Wind Turbine Tower Flange Product and Services

Table 58. Wuxi Paiké New Materials Offshore Wind Turbine Tower Flange Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 59. Wuxi Paiké New Materials Recent Developments/Updates

Table 60. CHW Forge Basic Information, Manufacturing Base and Competitors

Table 61. CHW Forge Major Business

Table 62. CHW Forge Offshore Wind Turbine Tower Flange Product and Services

Table 63. CHW Forge Offshore Wind Turbine Tower Flange Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 64. CHW Forge Recent Developments/Updates

Table 65. TP-Products Basic Information, Manufacturing Base and Competitors

Table 66. TP-Products Major Business

Table 67. TP-Products Offshore Wind Turbine Tower Flange Product and Services

Table 68. TP-Products Offshore Wind Turbine Tower Flange Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 69. TP-Products Recent Developments/Updates

Table 70. Global Offshore Wind Turbine Tower Flange Sales Quantity by Manufacturer (2021-2026) & (Kilotons)

Table 71. Global Offshore Wind Turbine Tower Flange Revenue by Manufacturer (2021-2026) & (USD Million)

Table 72. Global Offshore Wind Turbine Tower Flange Average Price by Manufacturer

(2021-2026) & (US\$/Ton)

Table 73. Market Position of Manufacturers in Offshore Wind Turbine Tower Flange, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 74. Head Office and Offshore Wind Turbine Tower Flange Production Site of Key Manufacturer

Table 75. Offshore Wind Turbine Tower Flange Market: Company Product Type Footprint

Table 76. Offshore Wind Turbine Tower Flange Market: Company Product Application Footprint

Table 77. Offshore Wind Turbine Tower Flange New Market Entrants and Barriers to Market Entry

Table 78. Offshore Wind Turbine Tower Flange Mergers, Acquisition, Agreements, and Collaborations

Table 79. Global Offshore Wind Turbine Tower Flange Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 80. Global Offshore Wind Turbine Tower Flange Sales Quantity by Region (2021-2026) & (Kilotons)

Table 81. Global Offshore Wind Turbine Tower Flange Sales Quantity by Region (2027-2032) & (Kilotons)

Table 82. Global Offshore Wind Turbine Tower Flange Consumption Value by Region (2021-2026) & (USD Million)

Table 83. Global Offshore Wind Turbine Tower Flange Consumption Value by Region (2027-2032) & (USD Million)

Table 84. Global Offshore Wind Turbine Tower Flange Average Price by Region (2021-2026) & (US\$/Ton)

Table 85. Global Offshore Wind Turbine Tower Flange Average Price by Region (2027-2032) & (US\$/Ton)

Table 86. Global Offshore Wind Turbine Tower Flange Sales Quantity by Type (2021-2026) & (Kilotons)

Table 87. Global Offshore Wind Turbine Tower Flange Sales Quantity by Type (2027-2032) & (Kilotons)

Table 88. Global Offshore Wind Turbine Tower Flange Consumption Value by Type (2021-2026) & (USD Million)

Table 89. Global Offshore Wind Turbine Tower Flange Consumption Value by Type (2027-2032) & (USD Million)

Table 90. Global Offshore Wind Turbine Tower Flange Average Price by Type (2021-2026) & (US\$/Ton)

Table 91. Global Offshore Wind Turbine Tower Flange Average Price by Type (2027-2032) & (US\$/Ton)

Table 92. Global Offshore Wind Turbine Tower Flange Sales Quantity by Application (2021-2026) & (Kilotons)

Table 93. Global Offshore Wind Turbine Tower Flange Sales Quantity by Application (2027-2032) & (Kilotons)

Table 94. Global Offshore Wind Turbine Tower Flange Consumption Value by Application (2021-2026) & (USD Million)

Table 95. Global Offshore Wind Turbine Tower Flange Consumption Value by Application (2027-2032) & (USD Million)

Table 96. Global Offshore Wind Turbine Tower Flange Average Price by Application (2021-2026) & (US\$/Ton)

Table 97. Global Offshore Wind Turbine Tower Flange Average Price by Application (2027-2032) & (US\$/Ton)

Table 98. North America Offshore Wind Turbine Tower Flange Sales Quantity by Type (2021-2026) & (Kilotons)

Table 99. North America Offshore Wind Turbine Tower Flange Sales Quantity by Type (2027-2032) & (Kilotons)

Table 100. North America Offshore Wind Turbine Tower Flange Sales Quantity by Application (2021-2026) & (Kilotons)

Table 101. North America Offshore Wind Turbine Tower Flange Sales Quantity by Application (2027-2032) & (Kilotons)

Table 102. North America Offshore Wind Turbine Tower Flange Sales Quantity by Country (2021-2026) & (Kilotons)

Table 103. North America Offshore Wind Turbine Tower Flange Sales Quantity by Country (2027-2032) & (Kilotons)

Table 104. North America Offshore Wind Turbine Tower Flange Consumption Value by Country (2021-2026) & (USD Million)

Table 105. North America Offshore Wind Turbine Tower Flange Consumption Value by Country (2027-2032) & (USD Million)

Table 106. Europe Offshore Wind Turbine Tower Flange Sales Quantity by Type (2021-2026) & (Kilotons)

Table 107. Europe Offshore Wind Turbine Tower Flange Sales Quantity by Type (2027-2032) & (Kilotons)

Table 108. Europe Offshore Wind Turbine Tower Flange Sales Quantity by Application (2021-2026) & (Kilotons)

Table 109. Europe Offshore Wind Turbine Tower Flange Sales Quantity by Application (2027-2032) & (Kilotons)

Table 110. Europe Offshore Wind Turbine Tower Flange Sales Quantity by Country (2021-2026) & (Kilotons)

Table 111. Europe Offshore Wind Turbine Tower Flange Sales Quantity by Country

(2027-2032) & (Kilotons)

Table 112. Europe Offshore Wind Turbine Tower Flange Consumption Value by Country (2021-2026) & (USD Million)

Table 113. Europe Offshore Wind Turbine Tower Flange Consumption Value by Country (2027-2032) & (USD Million)

Table 114. Asia-Pacific Offshore Wind Turbine Tower Flange Sales Quantity by Type (2021-2026) & (Kilotons)

Table 115. Asia-Pacific Offshore Wind Turbine Tower Flange Sales Quantity by Type (2027-2032) & (Kilotons)

Table 116. Asia-Pacific Offshore Wind Turbine Tower Flange Sales Quantity by Application (2021-2026) & (Kilotons)

Table 117. Asia-Pacific Offshore Wind Turbine Tower Flange Sales Quantity by Application (2027-2032) & (Kilotons)

Table 118. Asia-Pacific Offshore Wind Turbine Tower Flange Sales Quantity by Region (2021-2026) & (Kilotons)

Table 119. Asia-Pacific Offshore Wind Turbine Tower Flange Sales Quantity by Region (2027-2032) & (Kilotons)

Table 120. Asia-Pacific Offshore Wind Turbine Tower Flange Consumption Value by Region (2021-2026) & (USD Million)

Table 121. Asia-Pacific Offshore Wind Turbine Tower Flange Consumption Value by Region (2027-2032) & (USD Million)

Table 122. South America Offshore Wind Turbine Tower Flange Sales Quantity by Type (2021-2026) & (Kilotons)

Table 123. South America Offshore Wind Turbine Tower Flange Sales Quantity by Type (2027-2032) & (Kilotons)

Table 124. South America Offshore Wind Turbine Tower Flange Sales Quantity by Application (2021-2026) & (Kilotons)

Table 125. South America Offshore Wind Turbine Tower Flange Sales Quantity by Application (2027-2032) & (Kilotons)

Table 126. South America Offshore Wind Turbine Tower Flange Sales Quantity by Country (2021-2026) & (Kilotons)

Table 127. South America Offshore Wind Turbine Tower Flange Sales Quantity by Country (2027-2032) & (Kilotons)

Table 128. South America Offshore Wind Turbine Tower Flange Consumption Value by Country (2021-2026) & (USD Million)

Table 129. South America Offshore Wind Turbine Tower Flange Consumption Value by Country (2027-2032) & (USD Million)

Table 130. Middle East & Africa Offshore Wind Turbine Tower Flange Sales Quantity by Type (2021-2026) & (Kilotons)

Table 131. Middle East & Africa Offshore Wind Turbine Tower Flange Sales Quantity by Type (2027-2032) & (Kilotons)

Table 132. Middle East & Africa Offshore Wind Turbine Tower Flange Sales Quantity by Application (2021-2026) & (Kilotons)

Table 133. Middle East & Africa Offshore Wind Turbine Tower Flange Sales Quantity by Application (2027-2032) & (Kilotons)

Table 134. Middle East & Africa Offshore Wind Turbine Tower Flange Sales Quantity by Country (2021-2026) & (Kilotons)

Table 135. Middle East & Africa Offshore Wind Turbine Tower Flange Sales Quantity by Country (2027-2032) & (Kilotons)

Table 136. Middle East & Africa Offshore Wind Turbine Tower Flange Consumption Value by Country (2021-2026) & (USD Million)

Table 137. Middle East & Africa Offshore Wind Turbine Tower Flange Consumption Value by Country (2027-2032) & (USD Million)

Table 138. Offshore Wind Turbine Tower Flange Raw Material

Table 139. Key Manufacturers of Offshore Wind Turbine Tower Flange Raw Materials

Table 140. Offshore Wind Turbine Tower Flange Typical Distributors

Table 141. Offshore Wind Turbine Tower Flange Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Offshore Wind Turbine Tower Flange Picture

Figure 2. Global Offshore Wind Turbine Tower Flange Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Offshore Wind Turbine Tower Flange Revenue Market Share by Type in 2025

Figure 4. 16MW Examples

Figure 7. Global Offshore Wind Turbine Tower Flange Revenue by Manufacturing Process, (USD Million), 2021 & 2025 & 2032

Figure 8. Global Offshore Wind Turbine Tower Flange Revenue Market Share by Manufacturing Process in 2025

Figure 9. Forged Flange Examples

Figure 10. Rolled Flange Examples

Figure 11. Global Offshore Wind Turbine Tower Flange Revenue by Diameter, (USD Million), 2021 & 2025 & 2032

Figure 12. Global Offshore Wind Turbine Tower Flange Revenue Market Share by Diameter in 2025

Figure 13. Diameter Figure 14. Diameter 8?12 m Examples

Figure 15. Diameter > 12 m Examples

Figure 16. Global Offshore Wind Turbine Tower Flange Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 17. Global Offshore Wind Turbine Tower Flange Revenue Market Share by Application in 2025

Figure 18. Shallow Sea Examples

Figure 19. Deep Sea Examples

Figure 20. Global Offshore Wind Turbine Tower Flange Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 21. Global Offshore Wind Turbine Tower Flange Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 22. Global Offshore Wind Turbine Tower Flange Sales Quantity (2021-2032) & (Kilotons)

Figure 23. Global Offshore Wind Turbine Tower Flange Price (2021-2032) & (US\$/Ton)

Figure 24. Global Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Manufacturer in 2025

Figure 25. Global Offshore Wind Turbine Tower Flange Revenue Market Share by Manufacturer in 2025

Figure 26. Producer Shipments of Offshore Wind Turbine Tower Flange by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 27. Top 3 Offshore Wind Turbine Tower Flange Manufacturer (Revenue) Market Share in 2025

Figure 28. Top 6 Offshore Wind Turbine Tower Flange Manufacturer (Revenue) Market Share in 2025

Figure 29. Global Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Region (2021-2032)

Figure 30. Global Offshore Wind Turbine Tower Flange Consumption Value Market Share by Region (2021-2032)

Figure 31. North America Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 32. Europe Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 33. Asia-Pacific Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 34. South America Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 35. Middle East & Africa Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 36. Global Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Type (2021-2032)

Figure 37. Global Offshore Wind Turbine Tower Flange Consumption Value Market Share by Type (2021-2032)

Figure 38. Global Offshore Wind Turbine Tower Flange Average Price by Type (2021-2032) & (US\$/Ton)

Figure 39. Global Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Application (2021-2032)

Figure 40. Global Offshore Wind Turbine Tower Flange Revenue Market Share by Application (2021-2032)

Figure 41. Global Offshore Wind Turbine Tower Flange Average Price by Application (2021-2032) & (US\$/Ton)

Figure 42. North America Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Type (2021-2032)

Figure 43. North America Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Application (2021-2032)

Figure 44. North America Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Country (2021-2032)

Figure 45. North America Offshore Wind Turbine Tower Flange Consumption Value

Market Share by Country (2021-2032)

Figure 46. United States Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 47. Canada Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 48. Mexico Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 49. Europe Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Type (2021-2032)

Figure 50. Europe Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Application (2021-2032)

Figure 51. Europe Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Country (2021-2032)

Figure 52. Europe Offshore Wind Turbine Tower Flange Consumption Value Market Share by Country (2021-2032)

Figure 53. Germany Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 54. France Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 55. United Kingdom Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 56. Russia Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 57. Italy Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 58. Asia-Pacific Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Type (2021-2032)

Figure 59. Asia-Pacific Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Application (2021-2032)

Figure 60. Asia-Pacific Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Region (2021-2032)

Figure 61. Asia-Pacific Offshore Wind Turbine Tower Flange Consumption Value Market Share by Region (2021-2032)

Figure 62. China Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 63. Japan Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

Figure 64. South Korea Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)

- Figure 65. India Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)
- Figure 66. Southeast Asia Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)
- Figure 67. Australia Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)
- Figure 68. South America Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Type (2021-2032)
- Figure 69. South America Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Application (2021-2032)
- Figure 70. South America Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Country (2021-2032)
- Figure 71. South America Offshore Wind Turbine Tower Flange Consumption Value Market Share by Country (2021-2032)
- Figure 72. Brazil Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)
- Figure 73. Argentina Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)
- Figure 74. Middle East & Africa Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Type (2021-2032)
- Figure 75. Middle East & Africa Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Application (2021-2032)
- Figure 76. Middle East & Africa Offshore Wind Turbine Tower Flange Sales Quantity Market Share by Country (2021-2032)
- Figure 77. Middle East & Africa Offshore Wind Turbine Tower Flange Consumption Value Market Share by Country (2021-2032)
- Figure 78. Turkey Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)
- Figure 79. Egypt Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)
- Figure 80. Saudi Arabia Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)
- Figure 81. South Africa Offshore Wind Turbine Tower Flange Consumption Value (2021-2032) & (USD Million)
- Figure 82. Offshore Wind Turbine Tower Flange Market Drivers
- Figure 83. Offshore Wind Turbine Tower Flange Market Restraints
- Figure 84. Offshore Wind Turbine Tower Flange Market Trends
- Figure 85. Porters Five Forces Analysis
- Figure 86. Manufacturing Cost Structure Analysis of Offshore Wind Turbine Tower

Flange in 2025

Figure 87. Manufacturing Process Analysis of Offshore Wind Turbine Tower Flange

Figure 88. Offshore Wind Turbine Tower Flange Industrial Chain

Figure 89. Sales Channel: Direct to End-User vs Distributors

Figure 90. Direct Channel Pros & Cons

Figure 91. Indirect Channel Pros & Cons

Figure 92. Methodology

Figure 93. Research Process and Data Source

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