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Global Wind Power Torque Arm Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Wind Power Torque Arm market size is expected to reach $ 227 million by 2032, rising at a market growth of 6.2% CAGR during the forecast period (2026-2032).

In 2025, global Wind Power Torque Arm production reached approximately 18k units, with an average global market price of around US$8k per unit.

A wind power torque arm is a structural link that transfers gearbox reaction torque and related loads to the nacelle mainframe/bedplate, preventing the gearbox from rotating with the rotor shaft and defining a controlled load path. It is often combined with bushings/flexible elements to provide compliance for alignment and vibration isolation, improving drivetrain durability.Upstream covers materials and manufacturing: structural/alloy steels, ductile iron or cast steel (for cast torque-arm bodies), high-strength fasteners, and bushing elastomers (rubber/PU, etc.), followed by casting/forging, welding, machining of critical bores/flanges, corrosion protection, and NDT. Representative suppliers (examples) include Nucor and ArcelorMittal (structural steel), thyssenkrupp (steel products), and drivetrain ecosystem suppliers such as SKF / Schaeffler for related wind drivetrain components. Downstream, torque arms are used in gearbox mounting and load transfer for wind turbine OEMs and gearbox integrators (e.g., Siemens Gamesa, Vestas, GE Vernova) and generate aftermarket demand during major service events.

Wind turbine torque arms are ?low-visibility but high-reliability? mounting/load-transfer parts, with demand tied to geared drivetrain deployments, up-rating of turbine torque, and the installed-base service cycle. The market is increasingly treating torque arms as part of a tuned mounting system?bushing stiffness/damping and structural compliance are used to manage loads and vibrations, improve alignment, and extend fatigue life

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rather than merely reacting torque. As turbine ratings rise and offshore conditions intensify, requirements for material/weld quality, fatigue validation, corrosion protection, and assembly repeatability become stricter, while OEMs also push for weight reduction and manufacturability (cast/forged/welded design choices, near-net routes, consistent tooling). Tailwinds include new-build and replacement demand, drivetrain reliability/O&M cost reduction, and offshore reliability/corrosion needs; headwinds include wind-cycle pricing pressure, raw-material/energy cost volatility, and longer qualification cycles that strain delivery and working capital.

This report studies the global Wind Power Torque Arm production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Wind Power Torque Arm 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 Wind Power Torque Arm that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Wind Power Torque Arm total production and demand, 2021-2032, (K Units)
Global Wind Power Torque Arm total production value, 2021-2032, (USD Million)
Global Wind Power Torque Arm production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)
Global Wind Power Torque Arm consumption by region & country, CAGR, 2021-2032 & (K Units)
U.S. VS China: Wind Power Torque Arm domestic production, consumption, key domestic manufacturers and share
Global Wind Power Torque Arm production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)
Global Wind Power Torque Arm production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)
Global Wind Power Torque Arm production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Wind Power Torque Arm 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 Siemens, GE Vernova, Vestas, Suzlon Energy, Xihua Founding, Jiali Technology, Riyue Heavy Industry, Hongde Special Parts,

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SINOJIT Wind Energy, 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 Wind Power Torque Arm 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 Wind Power Torque Arm Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Wind Power Torque Arm Market, Segmentation by Type:

Split

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Integrated

Global Wind Power Torque Arm Market, Segmentation by Structure:

Single Arm

Double Arm

Global Wind Power Torque Arm Market, Segmentation by Materials:

Structural Steel

Alloy Steel

Others

Global Wind Power Torque Arm Market, Segmentation by Application:

Offshore Wind Turbines

Onshore Wind Turbines

Companies Profiled:

Siemens

GE Vernova

Vestas

Suzlon Energy

Xihua Founding

Jiali Technology

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Riyue Heavy Industry

Hongde Special Parts

SINOJIT Wind Energy

Key Questions Answered:

1. How big is the global Wind Power Torque Arm market?
2. What is the demand of the global Wind Power Torque Arm market?
3. What is the year over year growth of the global Wind Power Torque Arm market?
4. What is the production and production value of the global Wind Power Torque Arm market?
5. Who are the key producers in the global Wind Power Torque Arm market?
6. What are the growth factors driving the market demand?

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