

Global Membrane Couplings Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G4D5DB8D0415EN.html>

Date: July 2026

Pages: 150

Price: US\$ 4,480.00 (Single User License)

ID: G4D5DB8D0415EN

Abstracts

The global Membrane Couplings market size is expected to reach \$ 437 million by 2032, rising at a market growth of 4.7% CAGR during the forecast period (2026-2032).

In 2025, global membrane coupling production reached approximately 3849 k units, the average price is 80 usd/unit. Membrane couplings are devices that can transmit torque and motion between two shafts by using a thin metal disc or diaphragm. They are also called disc couplings or flexible couplings. They consist of a hub, a spacer, and a membrane. They can compensate for the misalignment and vibration of the shafts, as well as provide high torsional stiffness and low backlash. Membrane couplings are used for various applications, such as pumps, compressors, generators, turbines, etc.

Market Concentration and Major Players:

Internationally, the diaphragm coupling market is highly concentrated, primarily in developed countries such as Europe and the United States. Large manufacturers include Flender and John Crane. Domestically, however, the diaphragm coupling market still has significant room for growth.

Manufacturing Process and Market Trends:

The manufacturing process begins with the rigorous selection of raw materials such as stainless steel or high-strength alloy steel. The diaphragm, as the core elastic element, requires precision blanking, laser or CNC punching to ensure micron-level hole accuracy and edge quality. Heat treatment is then performed to relieve stress and improve fatigue strength. Metal parts such as the half-coupling and spacer shaft are forged and then precision machined using milling and boring to ensure fit tolerances.

The diaphragm assembly is then stacked and assembled with other components using riveting or spot welding for high-strength fastening. The final product must undergo dynamic balancing, non-destructive testing, and torque and compensation performance testing before leaving the factory.

Market trends are driven by the upgrading of industrial equipment towards higher speeds, greater precision, and intelligent manufacturing. Demand is shifting towards high-performance products with high speeds, high torque, and long lifespans. On the materials side, titanium alloys and carbon fiber composites are being gradually introduced to achieve lightweighting and improved corrosion resistance. Intelligent couplings integrating strain or vibration sensors are becoming the trend, which can meet the requirements of high-end fields such as wind power, hydrogen energy, and aerospace for condition monitoring and predictive maintenance.

This report studies the global Membrane Couplings production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Membrane Couplings 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 Membrane Couplings that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Membrane Couplings total production and demand, 2021-2032, (K Units)

Global Membrane Couplings total production value, 2021-2032, (USD Million)

Global Membrane Couplings production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Membrane Couplings consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Membrane Couplings domestic production, consumption, key domestic manufacturers and share

Global Membrane Couplings production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Membrane Couplings production by Structure, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Membrane Couplings production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Membrane Couplings 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 John Crane (UK), Reliance Precision (UK), Ondrives, Ltd (UK), Flender (German), Mayr (German), METAX (German), Regal Rexnord (USA), Rokee (China), Voith (German), R+W (German), 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 Membrane Couplings 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 Structure, 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 Membrane Couplings Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Membrane Couplings Market, Segmentation by Structure:

Two Piece

Three-piece

Others

Global Membrane Couplings Market, Segmentation by Shape:

Disc

Stacked

Ring

Others

Global Membrane Couplings Market, Segmentation by Torque:

0.1?10 N?m

10?1,000 N?m

1,000?50,000 N?m

Above 50,000 N?m

Global Membrane Couplings Market, Segmentation by Application:

Oil & Gas

Chemical Industry

Textile Industry

Printing Industry

Others

Companies Profiled:

John Crane (UK)

Reliance Precision (UK)

Ondrives, Ltd (UK)

Flender (German)

Mayr (German)

METAX (German)

Regal Rexnord (USA)

Rokee (China)

Voith (German)

R+W (German)

KTR (German)

RINGFEDER (German)

Lovejoy (USA)

Zero-Max (USA)

NBK (Japan)

Miki Pulley (Japan)

Tsubaki (Japan)

ComInTec (Italy)

SKF (Sweden)

Reach Top (China)

Key Questions Answered:

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

Contents

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