

Global Membrane Couplings Market Growth 2026-2032

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Abstracts

The global Membrane Couplings market size is predicted to grow from US\$ 301 million in 2025 to US\$ 422 million in 2032; it is expected to grow at a CAGR of 5.0% from 2026 to 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.

LP Information, Inc. (LPI) ' newest research report, the "Membrane Couplings Industry Forecast" looks at past sales and reviews total world Membrane Couplings sales in 2025, providing a comprehensive analysis by region and market sector of projected Membrane Couplings sales for 2026 through 2032. With Membrane Couplings sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Membrane Couplings industry.

This Insight Report provides a comprehensive analysis of the global Membrane Couplings landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Membrane Couplings portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Membrane Couplings market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Membrane Couplings and breaks down the forecast by Structure, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Membrane Couplings.

This report presents a comprehensive overview, market shares, and growth opportunities of Membrane Couplings market by product type, application, key manufacturers and key regions and countries.

Segmentation by Structure:

Two Piece

Three-piece

Others

Segmentation by Shape:

Disc

Stacked

Ring

Others

Segmentation by Torque:

0.1?10 N?m

10?1,000 N?m

1,000?50,000 N?m

Above 50,000 N?m

Segmentation by Application:

Oil & Gas

Chemical Industry

Textile Industry

Printing Industry

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

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 Addressed in this Report

What is the 10-year outlook for the global Membrane Couplings market?

What factors are driving Membrane Couplings market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Membrane Couplings market opportunities vary by end market size?

How does Membrane Couplings break out by Structure, by Application?

Contents

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