

Global Double Sided Friction Plate Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Double Sided Friction Plate market size is expected to reach \$ 3248 million by 2032, rising at a market growth of 3.8% CAGR during the forecast period (2026-2032).

Double-sided friction plates are wet-running transmission or braking friction elements with friction material applied to both sides of a steel core plate. They are alternately stacked with separator or reaction plates and used in wet clutches, wet brakes, automatic transmissions, powershift transmissions, AWD couplings, PTO systems, forklifts, construction machinery, agricultural machinery, mining equipment and marine drivetrains. Upstream inputs include specialty steel sheets, paper-based fibers, aramid/carbon fibers, phenolic resins, elastomers, graphite, metal powders, sintered powders, molybdenum coatings, ceramic powders, adhesives, friction modifiers and ATF/hydraulic oil systems. Downstream applications include AT, CVT, wet DCT, DHT/HEV, transfer cases, AWD couplings, LSDs, loaders, tractors, forklifts, haul trucks, wet brakes and industrial clutches.

In 2025, global double sided friction plate production reached approximately 2 billion units, with an average global market price is \$1.2 per unit.

Double-Sided friction plate is a disc-shaped friction transmission component with friction material applied to both sides of a steel core or base plate. It is typically used together with steel plates, pressure plates, or mating friction surfaces in clutches, brakes, automatic transmissions, wet dual-clutch transmissions, limited-slip differentials, torque-transfer systems, and selected industrial drivetrains. Compared with a single-sided friction plate, a double-sided design provides two active friction surfaces within a limited axial space, improving torque capacity and clutch-pack packaging efficiency. Raybestos

Powertrain product listings identify several automatic-transmission friction plates as double-sided friction clutch plates, indicating that this structure is a common configuration in automotive transmission applications.

By material system, double-sided friction plates may use paper-based, carbon-based, non-woven, organic composite, sintered metallic, ceramic-reinforced, or high-energy composite friction materials. In automotive automatic transmissions and wet clutch systems, paper-based, carbon-based, and high-energy composite materials are common solutions. Heavy-duty and performance applications place greater emphasis on high-temperature resistance, wear resistance, and repeated-cycle durability. Raybestos' high-energy double-sided friction plate documentation states that its material blend includes Kevlar, ceramics, graphite, and carbon, designed to provide smooth engagement, withstand higher friction-to-steel surface temperatures, and meet OE performance and wear requirements.

From an industry perspective, demand for double-sided friction plates is mainly supported by automatic transmission multi-plate clutches, wet DCTs, hybrid drivetrains, all-wheel-drive torque-management systems, and the replacement aftermarket. As transmissions move toward higher efficiency, higher torque density, compact packaging, and smoother shift performance, double-sided friction plates must balance friction-coefficient stability, thermal capacity, wear resistance, low noise, reduced judder, fluid compatibility, and manufacturing consistency.

This report studies the global Double Sided Friction Plate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Double Sided Friction Plate 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 Double Sided Friction Plate that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Double Sided Friction Plate total production and demand, 2021-2032, (K Units)

Global Double Sided Friction Plate total production value, 2021-2032, (USD Million)

Global Double Sided Friction Plate production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Double Sided Friction Plate consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Double Sided Friction Plate domestic production, consumption, key domestic manufacturers and share

Global Double Sided Friction Plate production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Double Sided Friction Plate production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Double Sided Friction Plate production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Double Sided Friction Plate 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 Dynax, BorgWarner, Aisin Corporation, F.C.C., Miba AG, NSK Warner, Carlisle Brake & Friction, Jiangsu Lintex Advanced Materials, Zhejiang Kema Friction Materials, Alto Products Corp., 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 Double Sided Friction Plate 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 Double Sided Friction Plate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Double Sided Friction Plate Market, Segmentation by Type:

Paper-Based Friction Material

Sintered Metallic Friction Material

Carbon-Based Friction Material

Others

Global Double Sided Friction Plate Market, Segmentation by Drivetrain System:

Automatic Transmission(AT)

Dual-Clutch Transmission(DCT)

Continuously Variable Transmission(CVT)

Dedicated Hybrid Transmission(DHT)

Others

Global Double Sided Friction Plate Market, Segmentation by Sales Channel:

OEM

Aftermarket

Global Double Sided Friction Plate Market, Segmentation by Application:

Passenger Car

Commercial Vehicle

Others

Companies Profiled:

Dynax

BorgWarner

Aisin Corporation

F.C.C.

Miba AG

NSK Warner

Carlisle Brake & Friction

Jiangsu Lintex Advanced Materials

Zhejiang Kema Friction Materials

Alto Products Corp.

Raybestos Powertrain

Key Questions Answered:

1. How big is the global Double Sided Friction Plate market?
2. What is the demand of the global Double Sided Friction Plate market?

3. What is the year over year growth of the global Double Sided Friction Plate market?
4. What is the production and production value of the global Double Sided Friction Plate market?
5. Who are the key producers in the global Double Sided Friction Plate market?
6. What are the growth factors driving the market demand?

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