

Global Mmechanical Expansion Mmandrels Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Mmechanical Expansion Mmandrels market size is expected to reach \$ 301 million by 2032, rising at a market growth of 4.5% CAGR during the forecast period (2026-2032).

Mechanical Expansion Mandrels are ID workholding devices that expand a sleeve or segmented elements radially via purely mechanical actuation (drawbar-taper, screw actuation, spring/wedge mechanisms) to center and clamp a workpiece from its bore. They enable full OD access for turning, grinding, milling, gear cutting, and inspection operations. In 2025, Global Mmechanical Expansion Mmandrels sales is estimated at 500 K Units, with an average ex-works price of US\$420/Unit. And global capacity is about 800 K Units/year, with a gross margin range of 25%–40%.

Upstream includes alloy steels and heat treatment plus precision grinding/coatings; midstream covers mandrel design, machining, assembly and metrology validation; downstream involves machining plants deploying the mandrels for ID locating/clamping across turning, grinding, gear cutting and inspection with ongoing changeovers.

This report studies the global Mmechanical Expansion Mmandrels production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global Mmechanical Expansion Mmandrels total production and demand, 2021-2032, (K Units)

Global Mmechanical Expansion Mmandrels total production value, 2021-2032, (USD Million)

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

Global Mmechanical Expansion Mmandrels consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Mmechanical Expansion Mmandrels domestic production, consumption, key domestic manufacturers and share

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

Global Mmechanical Expansion Mmandrels production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Mmechanical Expansion Mmandrels production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Mmechanical Expansion Mmandrels 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 HAINBUCH, SMW-AUTOBLOK, Forkardt Hardinge, KITAGAWA, ROHM, Positrol, Royal Products, Gleason, Riten Industries, 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 Mmechanical Expansion Mmandrels 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 Mmechanical Expansion Mmandrels Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Mmechanical Expansion Mmandrels Market, Segmentation by Type:

Screw-actuated Expansion

Drawbar-taper Expansion

Spring-assisted Expansion

Segment-sleeve Expansion

Global Mmechanical Expansion Mmandrels Market, Segmentation by Expansion Element:

Slotted Sleeve

Segmented Sleeve

Others

Global Mmechanical Expansion Mmandrels Market, Segmentation by Precision:

Standard Precision

High Precision

Global Mmechanical Expansion Mmandrels Market, Segmentation by Application:

Gear Manufacturing

Automotive & Industrial Components

Others

Companies Profiled:

HAINBUCH

SMW-AUTOBLOK

Forkardt Hardinge

KITAGAWA

ROHM

Positrol

Royal Products

Gleason

Riten Industries

Key Questions Answered:

1. How big is the global Mmechanical Expansion Mmandrels market?

2. What is the demand of the global Mmechanical Expansion Mmandrels market?
3. What is the year over year growth of the global Mmechanical Expansion Mmandrels market?
4. What is the production and production value of the global Mmechanical Expansion Mmandrels market?
5. Who are the key producers in the global Mmechanical Expansion Mmandrels market?
6. What are the growth factors driving the market demand?

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