

# Screw Compressor Rotor with Helical Grooves

This high-precision screw compressor rotor is designed for efficient gas compression. Its multi-lobe design features precisely machined helical grooves to ensure optimal performance and minimal leakage.



## Product Overview

### High-Precision Screw Compressor Rotor

This high-precision screw compressor rotor is engineered for efficient gas compression in industrial applications. Featuring a multi-lobe design with precisely machined helical grooves, it ensures optimal performance and minimizes leakage during operation. Constructed from high-strength alloy steel, this component offers exceptional durability and wear resistance under demanding conditions, supported by a surface finish optimized for reduced friction and extended service life.

## Technical Specifications

Material	High-strength alloy steel
Design Features	Multi-lobe design, Helical grooves, Balanced design, Integrated flanges

## Performance Highlights

### Key Performance Indicators

**1 Reduced Friction**

Surface Finish Optimization

**1 Minimized**

Leakage Control

## Installation

Installation Method	Integrated flange mounting for easy alignment
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