

# Hydraulic Expansion Chuck for Machine Tooling

This hydraulic expansion chuck is engineered for secure and vibration-free tool holding in demanding machining applications. Its rigid construction and excellent concentricity ensure optimal performance in high-speed machining and precision milling operations.



## ADDITIONAL IMAGES



## Overview

### High-Precision Hydraulic Tool Holding

This hydraulic expansion chuck is engineered for demanding machining applications where precision and reliability are paramount. It utilizes hydraulic pressure to provide uniform clamping force, effectively minimizing vibration and ensuring a superior surface finish. Designed for high-speed operations, this chuck enhances tool life and maintains exceptional concentricity across a variety of milling and CNC tasks.

## Performance Metrics

### Key Performance Indicators

**0.003 mm**

Run-out Accuracy (at 4xD)

**25000 RPM**

Balance Rating

## Technical Specifications

### Balance Grade

G2.5

### Compatible Tool Shank Tolerance

h6

### Quality Assurance

100% inspected

## Features & Benefits

### Core Features

- Special bright surface with excellent anti-corrosion performance
- Super high transmitted torque for high clamping reliability
- Integrated axial length adjustment
- Vibration-free tool holding for enhanced surface finish
- Rigid construction for optimal performance

## Compatibility

Interface Type	BT40
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