

3HAC039109-002

Industrial automation components

Manufacturer	Abb
Catalog number	3hac039109-002
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Gearbox Type	Universal
Gearbox Type	Precision-engineered
Robot Series Compatibility	ABB IRB 4600
Material	High-grade materials
Gear Ratio	1:25
Operating Temperature Range	-20°C to +50°C
Protection Class	IP54

Description

The ABB 3HAC039109-002 Gearbox is a precision-engineered component designed for high-performance robotic applications, ensuring enhanced durability and operational efficiency in manufacturing processes. Manufactured by ABB, a leader in industrial automation, this gearbox is tailored for seamless integration with ABB's IRB 4600 robot series, providing precise control and exceptional reliability. Constructed from high-grade steel, it offers exceptional durability, capable of withstanding the rigors of continuous operation in demanding environments. The gearbox features a gear ratio of 1:24, delivering a balance between speed and torque, making it ideal for applications requiring a high level of control and precision. With a rated torque of 24 Nm and a speed capability of up to 1500 rpm, it ensures smooth and consistent motion, critical for achieving high-quality outputs in manufacturing processes. Designed to operate within a temperature range of -20°C to +50°C, this gearbox ensures reliable functionality across various operational climates, enhancing its versatility and applicability. Its compact design allows for easy integration into existing systems without compromising on functionality. The ABB 3HAC039109-002 Gearbox is an essential component for advanced robotic systems, offering a combination of precision, durability, and efficiency to meet the demands of modern industrial automation.