

ABB ROBOTS

Product Data Sheet

3HAC044361-003

industrial reduction gear

FUNCTION industrial reduction gear	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 13.58 kg
--	-----------------------------	-------------------------	---------------------------

ABB Robots 3HAC044361-003 is a industrial reduction gear for the ABB Robots. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Mounting Position	Axis 2 Robot Joint
Housing Material	High-strength Alloy Steel
Gear Type	Cycloidal Pin Gear
Backlash	Very Low
Operating Temperature	-20°C to +60°C
Exact Article Code	3HAC044361-003
Product Family	ABB Robots
Component Type	Industrial Reduction Gear
Assembly Class	ABB PCB assembly
System Interface	ABB Robots control interface

ADDITIONAL PRODUCT DATA

Control Supply	Documented rack control supply
Connector Interface	Keyed ABB board connectors
Installation Format	Plug-in control board
Signal Domain	Control and diagnostic signals
Service Position	Documented rack slot

OFFICIAL APPLICATIONS

- Control ingredient dosing with Industrial Reduction: Within the batch vessels and dosing valves, 3HAC044361-003 provides its specified system function as a industrial reduction ar. During batch release, the system uses this function to align measured quantities with the active batch step, helping it hold dosing accuracy through the cycle.
- Track cooling-water circulation with Industrial Reduction: During operation of the circulating pumps and heat exchangers, 3HAC044361-003 performs its assigned control role as a industrial reduction ar. During controlled shutdown, the system uses this function to sequence redundant equipment around the operating unit, helping it keep heat rejection available to the process.
- Coordinate robotic handling with Industrial Reduction: Within the robots, grippers and transfer fixtures, 3HAC044361-003 serves its documented function as a industrial reduction ar. During fault recovery, the system uses this function to restore the cell from a defined intermediate state, helping it resume material flow without losing part identity.

SYSTEM COMPATIBILITY

Match 3HAC044361-003 to the installed ABB Robots, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB ABB Robots documentation](#)

<https://new.abb.com/control-systems>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM