

NexBot Vision 742-003 Contact Tip and Nozzle Set (0.045" Wire)

NexBot
Robotics

SKU: NXB-GEN-742-003 | Category: Wear Parts & Consumables > Welding Consumables > Contact Tips & Nozzles

Overview

The NexBot Vision 742-003 Contact Tip and Nozzle Set is a genuine OEM replacement consumable designed to maintain peak performance in automated GMAW (MIG) welding applications. This set is engineered to provide consistent and reliable electrical contact with the welding wire, ensuring a stable arc and superior weld quality for demanding industrial tasks. The core of the set is the precision-machined contact tips, manufactured from a high-conductivity chromium zirconium copper (CuCrZr) alloy. This material choice provides excellent current transfer and superior resistance to arc erosion and deformation at high temperatures, significantly extending the operational life compared to standard copper tips. Each tip features a smooth, concentric bore sized for 0.045" (1.2 mm) wire, which minimizes friction and prevents wire jamming, a common cause of production downtime. The M8 male threads ensure a secure, low-resistance connection to the gas diffuser. Complementing the tips, the included gas nozzles are designed to optimize the flow of shielding gas, creating a stable envelope around the weld pool to protect it from atmospheric contamination. This results in cleaner, stronger welds with minimal porosity. The set is an essential component for robotic welding cells in automotive manufacturing, heavy fabrication, and structural steel applications where weld integrity and repeatability are critical. Regular replacement of these wear parts is a fundamental aspect of a preventative maintenance schedule, preventing costly defects and rework. This set provides the necessary components for several replacement cycles.

Technical Specifications

Parameter	Value	Unit
Weight	0.1	kg
Material	Chromium Zirconium Copper (CuCrZr)	
Country of Origin	DE	
Dimensions	100 x 60 x 20 mm	

Safety Notice: This product must be installed and operated by qualified personnel in accordance with applicable safety standards (ISO 10218, IEC 61508).