

NexBot Drives 833-002 Washer And Spacer Set

**NexBot
Robotics**

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Accessories & Mounting > Fasteners &
Hardware > Washers & Spacers

Overview

The NexBot Drives 833-002 Washer and Spacer Set provides essential hardware for maintaining precise alignment and spacing within robotic joint assemblies. This set is engineered to meet the demanding requirements of industrial automation, ensuring long-term reliability and operational consistency for compatible NexBot robot models. Constructed from high-grade 304 stainless steel, each component in the set offers excellent resistance to corrosion, oxidation, and chemical exposure commonly found in manufacturing environments. This material choice guarantees component integrity and prevents contamination, which is critical for sensitive applications. The washers and spacers are machined to exacting tolerances, with a typical thickness variation of just ± 0.05 mm, which is vital for eliminating unwanted play and vibration in robot joints. This precision ensures that joint backlash is minimized and that the robot maintains its programmed path accuracy over millions of cycles. The primary function of this set is to provide correct spacing for bearings and structural components during assembly or maintenance procedures. Proper spacing is crucial for distributing loads evenly and preventing premature wear on more costly internal parts. Applications include securing joint housings, mounting end-of-tooling plates, and general robotic assembly where precise component gaps are required. With a hardness rating of Rockwell B80, these components resist deformation under high compressive loads, contributing to the overall structural rigidity of the robot arm. This set contains a curated assortment of commonly used sizes, providing technicians with the necessary hardware for servicing multiple joints without needing to source individual parts. Regular inspection and replacement of worn hardware with components from this set can significantly extend the operational life of a robot and reduce the likelihood of unplanned downtime.

Technical Specifications

Parameter	Value	Unit
Weight	0.25	kg
Material	Stainless Steel 304	
Country of Origin	CH	

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

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