

NexBot Robotics 833-013 Washer And Spacer Set (Stainless Steel)

NexBot Robotics

SKU: NXB-GEN-833-013 | Category: Accessories & Mounting > Fasteners & Hardware > Washers & Spacers

Overview

The NexBot Robotics 833-013 Washer and Spacer Set provides the essential hardware required for precise mechanical assembly and maintenance of NexBot robotic systems. This set is engineered to meet exacting dimensional tolerances, ensuring proper fit and function when shimming joints, mounting end-of-arm tooling, or securing components where exact spacing is critical to performance. Each piece is manufactured from high-grade Stainless Steel 304, offering excellent corrosion resistance and durability in demanding industrial environments. The primary benefit of this set is the ability to eliminate undesirable mechanical play and backlash in robot joints, which directly contributes to improved positioning accuracy and repeatability. By using these precision-ground components, technicians can restore or enhance the robot's original performance specifications after service. The set includes a curated assortment of commonly used thicknesses and diameters, providing versatility for various applications across multiple robot series. With a thickness tolerance of just $\pm 0.01\text{mm}$, these components provide the accuracy needed for fine-tuning kinematic chains. Typical applications include adjusting the preload on joint bearings, aligning motor and gearbox interfaces, and spacing out mounting fixtures or sensors. Proper use of these washers and spacers during installation or repair is crucial for preventing premature wear on more costly mechanical components. The set is organized for convenience, allowing maintenance teams to quickly find the right component for the job without sourcing individual parts. All components are deburred and finished to prevent surface marring of adjacent parts during assembly.

Technical Specifications

Parameter	Value	Unit
Weight	0.5	kg
Material	Stainless Steel 304	
Country of Origin	JP	

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

