

ADVANCED SLEWING BEARING

Engineered to transcend traditional limitations,
our innovative solutions redefine performance and reliability.

TAILORED FOR LIGHTWEIGHT APPLICATIONS

Designed for a wide range of applications, from ground and naval weaponry and radar systems, heavy machinery.

Our **cutting-edge patented bonding operation** redefines the conventional boundaries of material applications. By combining state-of-the-art bonding techniques with precision engineering, we've achieved a breakthrough that results in remarkable lightweight solutions.

The Metal-to-Metal Bonding solution **eliminates interruption** in steel wire connections, increasing quality and providing a continuous, smooth and reliable drive on the bearing races.

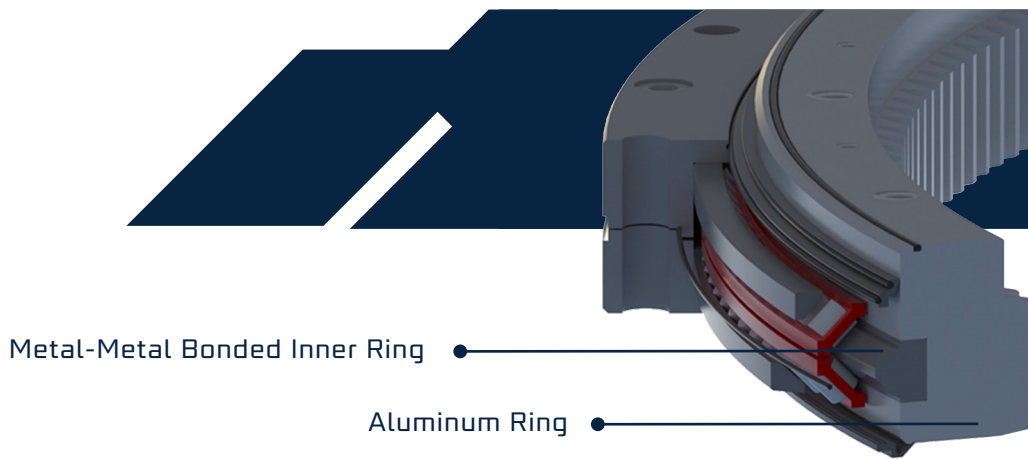
UNLEASH POWER OF PRECISION



At the heart of our advanced slewing bearing design is an unwavering commitment to precision.

Each bearing is meticulously crafted with state-of-the-art manufacturing techniques that ensure tight tolerances and exceptional load-carrying capabilities. Our design minimizes **backlash, enabling precise control over rotational movements, crucial for delicate tasks and high-precision** operations. Each tooth profile is flawlessly executed, optimizing engagement, load distribution, and overall efficiency. Gears that function seamlessly, enhancing the overall performance and longevity of your slewing bearings. Welcome a new era of accuracy.

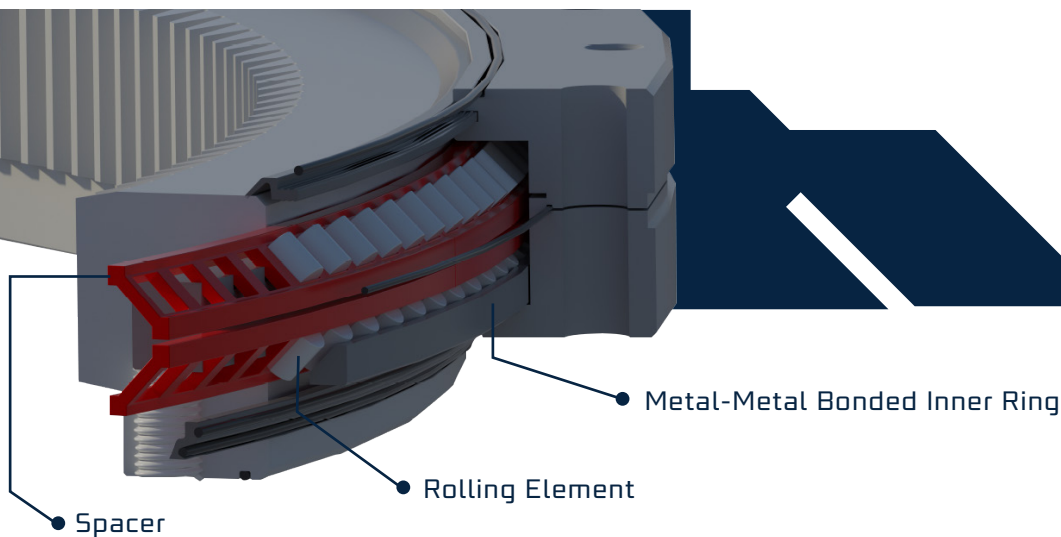
ADVANCED SLEWING BEARING



RELIABILITY REDEFINED

Elevate your projects with unbeatable reliability.

Our advanced slewing bearing design integrates durability into every facet. **Robust materials, innovative coatings, and advanced sealing mechanisms** protect against corrosion, wear, and contaminants, ensuring longevity even in the harshest environments. Detailed designed and simulated under real operating conditions, our bearings have demonstrated outstanding performance, increasing uptime and reducing maintenance costs.



APPLICATIONS

- Tracked Vehicles and Turrets
- Wheeled Armored Combat Vehicles and Turrets
- Naval Weapon and Radar Systems
- Heavy Machinery
- Air Defence Systems

DIMENSIONS

- Up to 1200 mm Ring Diameter

MATERIALS

- Rings Lightweight Special Aluminum Alloys
- Raceways High Strength Stainless Steel



Alp Havacılık Sanayi ve Ticaret A.Ş.

Organize Sanayi Bölgesi 8. Cadde No: 29 / 1-2 26110 ESKİŞEHİR

T: +90 222 236 13 00 F: +90 222 236 12 85

www.alp.com.tr

alphavacilik@alp.com.tr