

DEFENCE, MINING & WIND TURBINES

Forging reliable and precision connections



GLOBAL PLAYER. LOCAL MANAGEMENT.

Australasian Fittings and Flanges (AFF), in collaboration with our manufacturing partner, Galperti Tech Forged Products (GTFP), specialise in the advanced manufacturing of high-quality products and services tailored to meet the demands of the Defence, Mining and Wind Turbine industries. We provide a wide array of Slewing Bearings, Geared Rings, Special Forged Products and Forged Shafts serving as a single-source solution for diverse needs and ensuring our clients find all necessary components, simplifying procurement and enhancing operational efficiency.



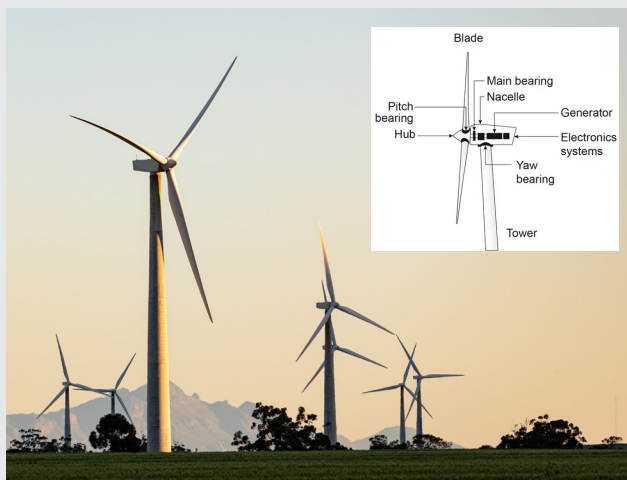
DEFENCE

AFF, in partnership with GTFP, supplies a broad range of special forged and machined parts. Our current offerings include shafts and hubs for high-speed coast patrolling boats, bearings for azimuth and elevation in cannon turrets for both ships and ground vehicles, components for mobile and stationary radars, and parts for rocket launchers.



MINING

The mining industry demands robust, high-quality products to withstand the harshest conditions. AFF provides a wide array of slew bearings and special forged products designed for heavy-duty applications, ensuring maximum durability and performance. Our products are essential for various mining operations, including mineral processing, extraction, and transport systems. Our team of experts understands the unique challenges faced by mining operators and is focused on delivering products and solutions that enhance operational efficiency and personnel safety.



WIND TURBINES

Wind turbine projects require precision manufacturing and reliable components to ensure optimal performance and longevity. AFF supplies specialised slew bearing and gear ring components that are integral to the construction and maintenance of wind turbines. Our products are manufactured to meet the stringent requirements of the renewable energy sector, providing solutions that support sustainable energy production. From the initial design to delivery and maintenance, AFF is committed to supporting the growth of wind energy with innovative and dependable products.

KEY PRODUCTS

Slewing Bearings & Gear Rings

- Geared Rings
- Four-Point Contact Bearings
- Eight-Point Contact Bearings
- Cross Roller Bearings
- Three-Row Roller Bearings
- Combined Bearings
- Profile Bearings
- Custom-Designed Bearings for Special Applications (e.g., Bearing Wheels)

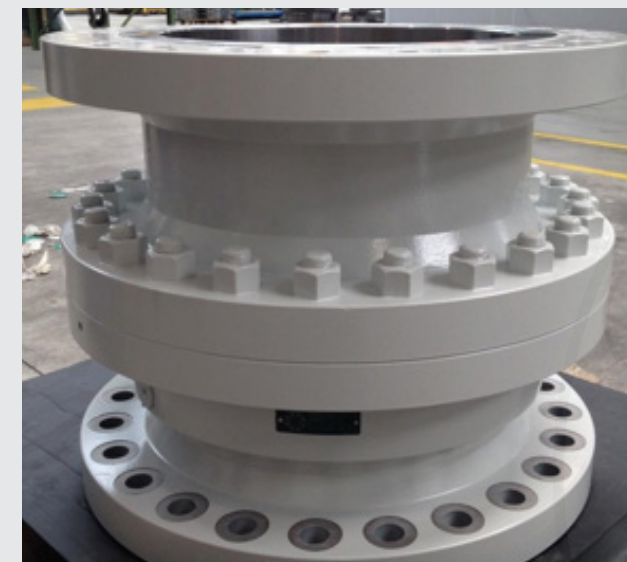
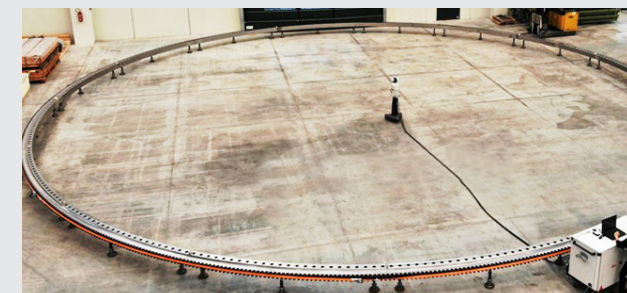
Integral and Segmented Gears

Integral and Segmented Rings

Forged Shafts

Special Forged Products

Welded Overlays



IN-HOUSE PROCESSES

Design: In-house Design, Stress, Static & Fatigue

Calculations and Finite Element Analysis

Forging: Billet Cutting, Heating, Forging, Rolling

Heat Treatment: Quenching and Tempering,

Normalising, Material Qualification Tests

Manufacturing: Machining, Induction Hardening, Non-Destructive Testing, Gear Cutting, Gear Grinding, Boring-Tapping, Finishing

Assembling: Assembly, Zinc Spray, Painting, Greasing, Dimensional Checks, Testing, Rust Protection

Packing, and Delivery

Certification: Our forged products are ISO19025 certified, ensuring the highest quality standards. Our facilities manage any contractual proof with witnessing inspectors from Certification Bodies such as Lloyds Register, DNV, BV, TÜV, API, etc.



OUR STRENGTHS

Comprehensive Product Range: Our wide range of Slewing Bearings, Geared Rings, and Special Forged Products provides a single-source solution.

Specialised Forged Products: We specialise in customised forged products for demanding applications.

In-House Manufacturing: All manufacturing processes, including forging, heat treatment, machining, and painting, are conducted in-house, ensuring optimal control at every stage.

Specification Compliance: We conduct thorough specification reviews to ensure complete compliance with all requirements.

Quality and Traceability: Our commitment to high quality and superior customer service includes full traceability of materials back to the raw source.

Ongoing Support: We provide ongoing solutions, advice, and recommendations throughout the entire lifespan of your plant.

Global Sourcing: We source superior quality products from globally renowned manufacturers, all of whom are ISO 9001 certified.

Material Selection: Our meticulous material selection process ensures extended facility longevity.

Consistent Delivery: Renowned for our consistent delivery of high-quality products.

Prompt Responses: Rely on us for prompt and precise responses to your inquiries.

Comprehensive Project Management: Our services cover order management, technical queries, documentation, expediting, logistics, and more.

Expert Guidance: Receive expert guidance to ensure accurate installation, maintenance, and sustained functionality.

“Bringing the manufacturer to the client” is the principle that drives our success. AFF offers a comprehensive, globally competitive supply chain, delivering innovative and cost-effective solutions tailored to client specifications. Our goal is to be the preferred supply partner, consistently ensuring that our product quality exceeds client expectations.



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