



T.I.M.E

Taller integral marítimo exclusivo
Since 1948. it's only just beginning



A Legacy Forged at Sea

Our story begins in 1948 in the city of San Fernando, Buenos Aires — widely known as the nautical capital of Argentina. From a city defined by its deep maritime tradition, TIME was built with a singular purpose.

Our founder set out to modernize the naval industry through innovative, high-quality products. Today, he is remembered as an undisputed reference point in the manufacturing of critical components for the marine sector. "He is remembered as an undisputed authority in the manufacturing of critical components — a benchmark the entire industry continues to look to."



Alfredo Juan Muñiz

Founder - TIME Taller Naval



*A Legacy
Forged at Sea*



T.I.M.E

*Helical Design
Own Invention patent*

The original helical bearing design – Since 1948



Exterior
Coating

Reusable bushing holder



Interior
Coating

*Elastomer Manufacturing – Shore A
Hardness 65 > <75.
The most widely used component
worldwide in the naval industry.*

**Shaft Ø from $\frac{3}{4}$ " to 17".5
Custom sizes (Taylormade)**





A Legacy Forged at Sea



Inner Lining



Outer Lining



Reusable
bushing holder

100% Elastomer Manufacturing
SHORE A 65 > < 75.

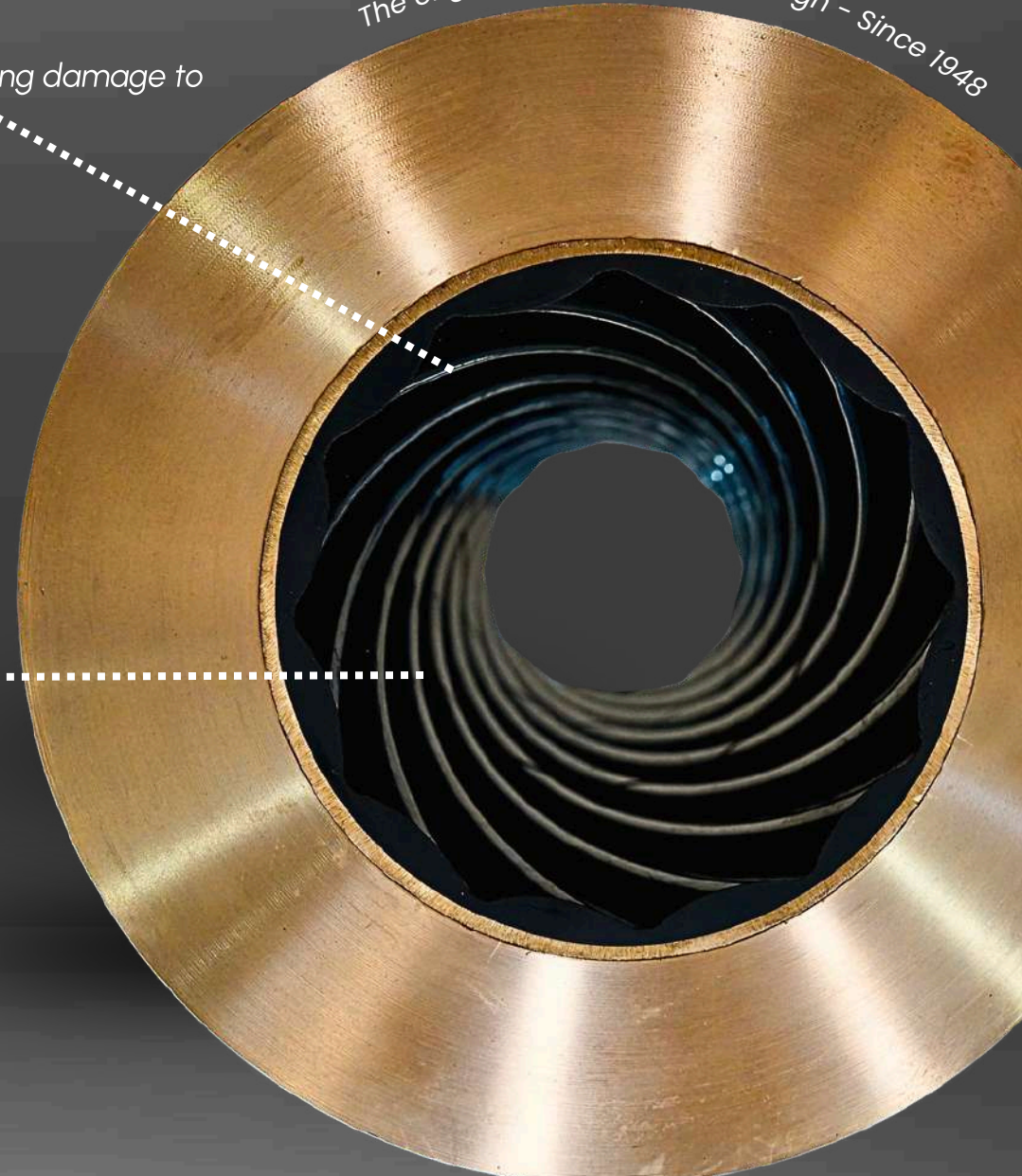
- Absorbs biofouling, preventing damage to the shaft.
- Absorbs vibrations.

The original helical bearing design - Since 1948

Helical Design
Proprietary Patent

Advantages of the Helical Design

- Significantly optimizes lubrication
- Optimizes the evacuation of impurities
- Reduces heat generated by friction between materials
- Improves shaft support at tangent points
- Lower wear, lower vibration





Pioneers in Tribology

We are pioneers in the science of tribology the discipline that studies the interaction between surfaces in relative motion, encompassing friction, wear, and the lubrication of materials.

This scientific foundation has shaped everything we build, positioning TIME as a company with more than seven decades of proven expertise, backed by invention patents and trusted by the largest shipping companies in Argentina and the region — companies that choose our products for every one of their projects.

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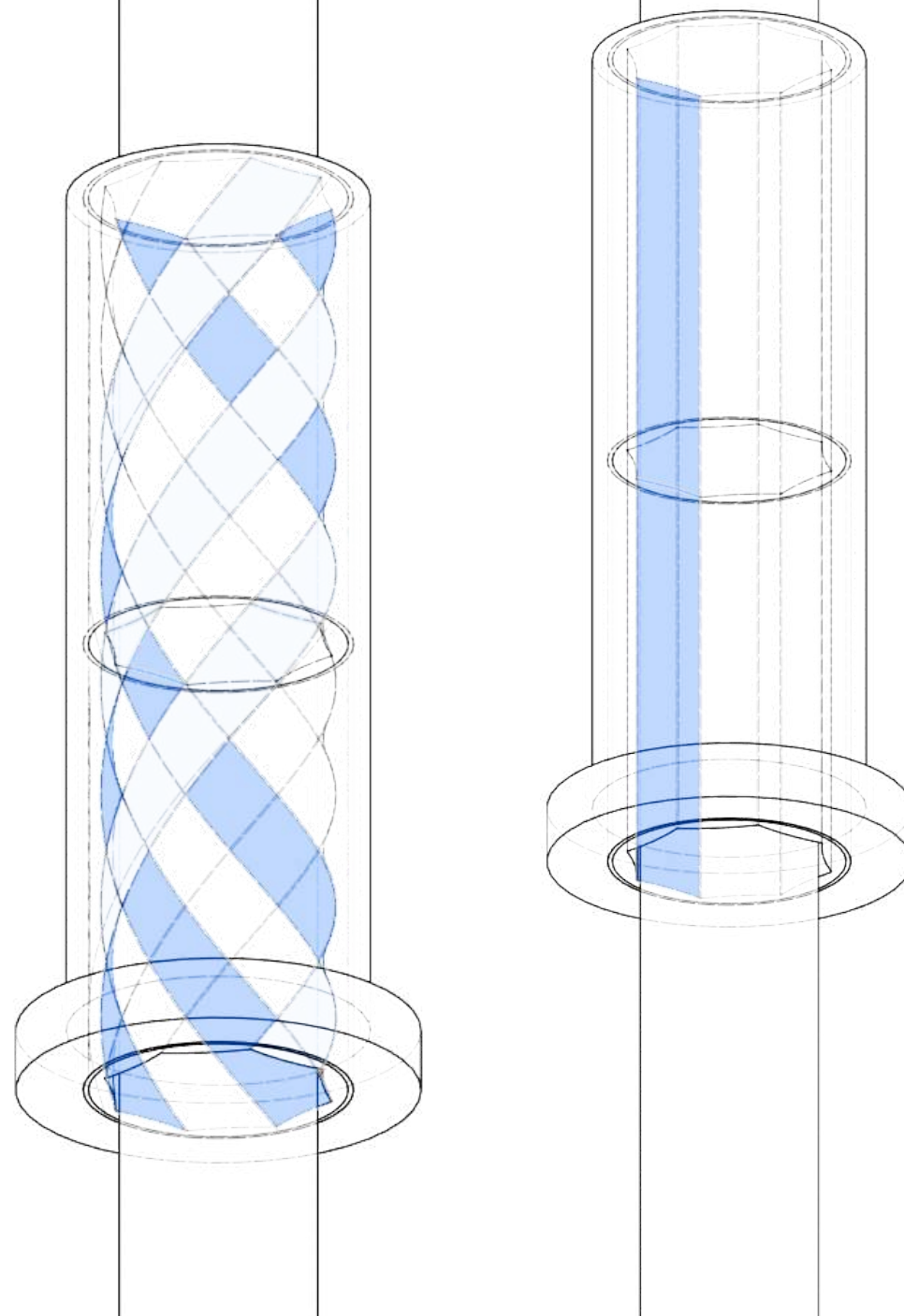
*Invented here. Proven
at sea.*

70+

YEARS OF EXPERIENCE

Nº1 ARGENTINA

CHOICE OF MAJOR SHIPOWNERS





Engineering designed to last

Helical Design

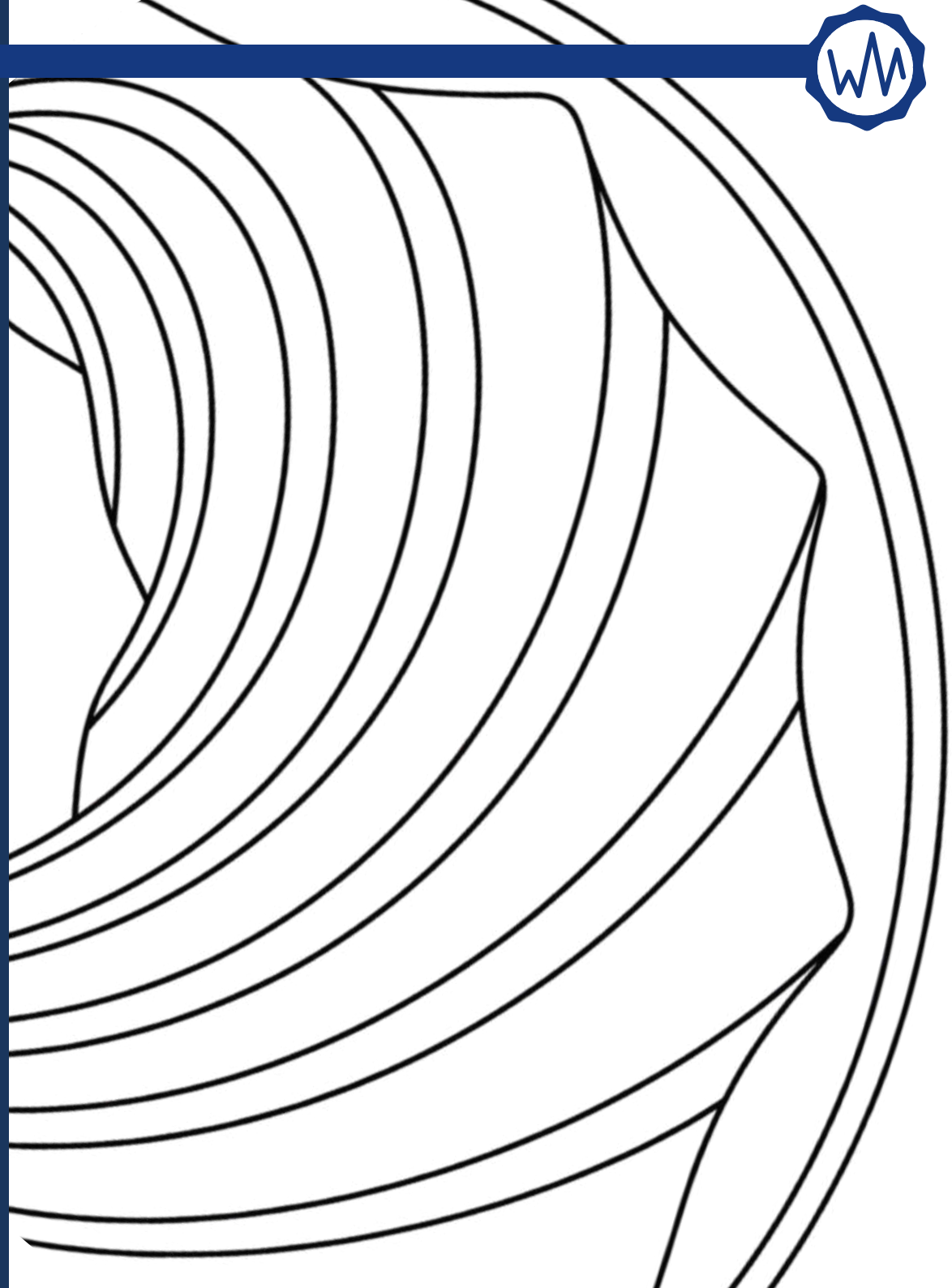
Own Invention patent N 214.924 / 219.537

Advanced Geometry

The helical design follows the rotation of the shaft, significantly enhancing lubrication and extending the service life of both the shaft and the bearing. Its design promotes a continuous water film, generating a hydrodynamic wedge effect that substantially reduces metal-to-rubber contact.

Our design achieves the lowest friction coefficient available on the market, sustaining hydrodynamic lubrication even at low speeds and under critical load conditions — while consistently reducing shaft wear.

- ◆ *Significantly improves lubrication*
- ◆ *Lowest Friction Coefficient*
- ◆ *Extended Wear Curve*
- ◆ *Shaft-distributed support*





Engineering designed to last

Straight Design

Classic Geometry

Our standard bearing line, engineered for high reliability across traditional marine applications. Naval bronze bearings that deliver equal efficiency whether fitted in strut bearings or stern tubes, with proven performance in rudder stock bushings and pintle applications..

Classical Geometry

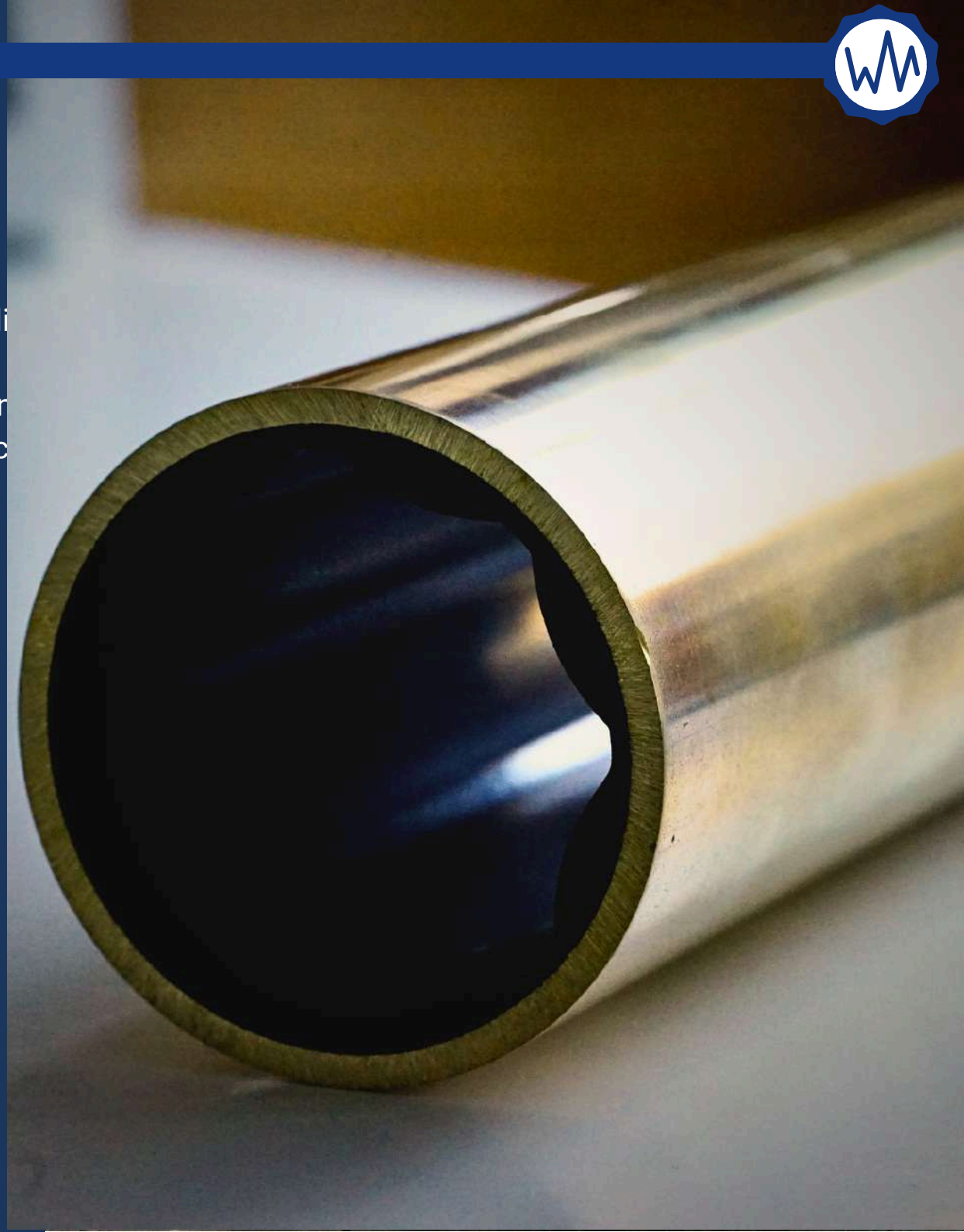
It features straight, longitudinal support bands that are perfectly tangent to the axis, ensuring uniform load distribution

Manufacturing Specifications

Internally vulcanized with high-resistance synthetic rubber (Neoprene acrylonitrile) with a Shore A hardness of 70 ± 5

Technical Certification

Complies strictly with ASTM B-720 (Method B) standards, ensuring high resistance to oil and grease-contaminated water without material degradation





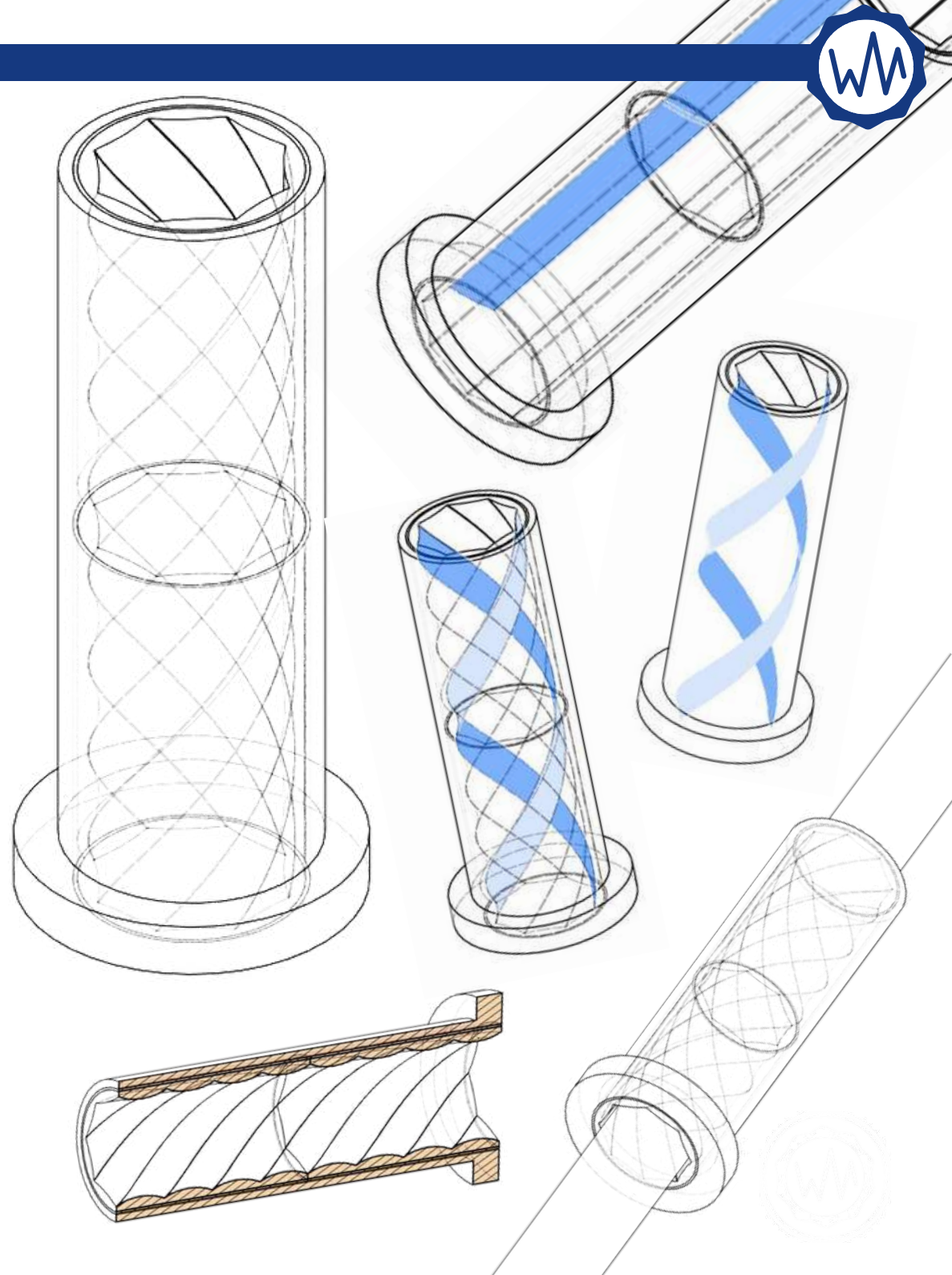
Engineering designed to last

Our design achieves the lowest friction coefficient on the market, maintaining hydrodynamic lubrication even at low speeds and under critical loads, while reducing shaft wear.

Manufactured in synthetic rubber acrylonitrile neoprene, compliant with ASTM 720 MB standard resistant to contaminated and sandy water, oils, and greases.

Sectional vulcanization allows our clients to reuse their existing bearing housings, reducing drydock time while optimizing budget management.

Our combination of advanced design and premium manufacturing materials guarantees reduced shaft wear and the highest quality in terms of resistance, lubrication performance, and long-term durability.



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Helical Design

Own Invention patent N 214.924 / 219.537



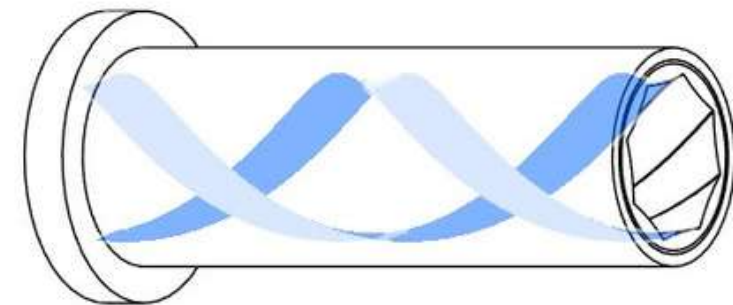
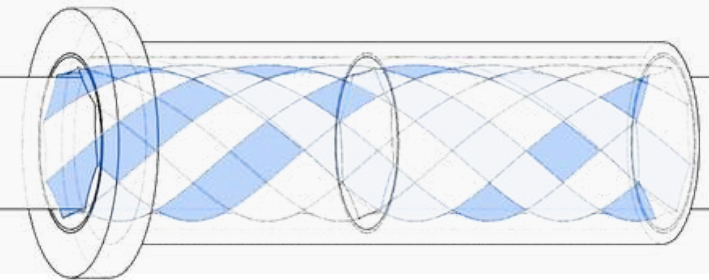
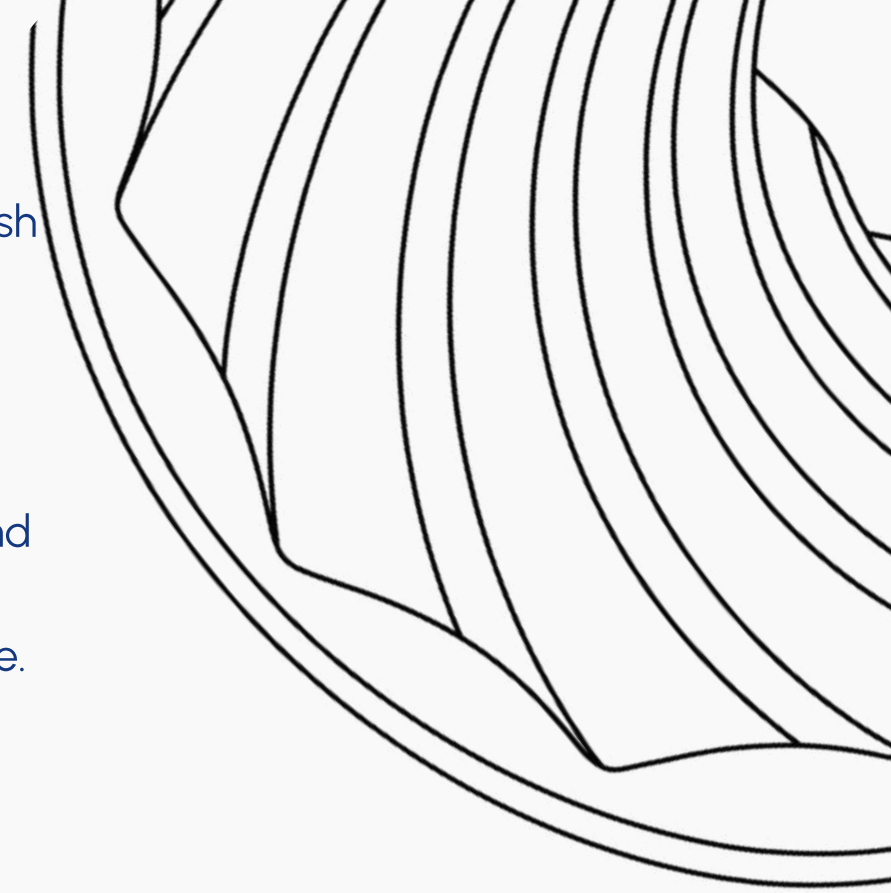
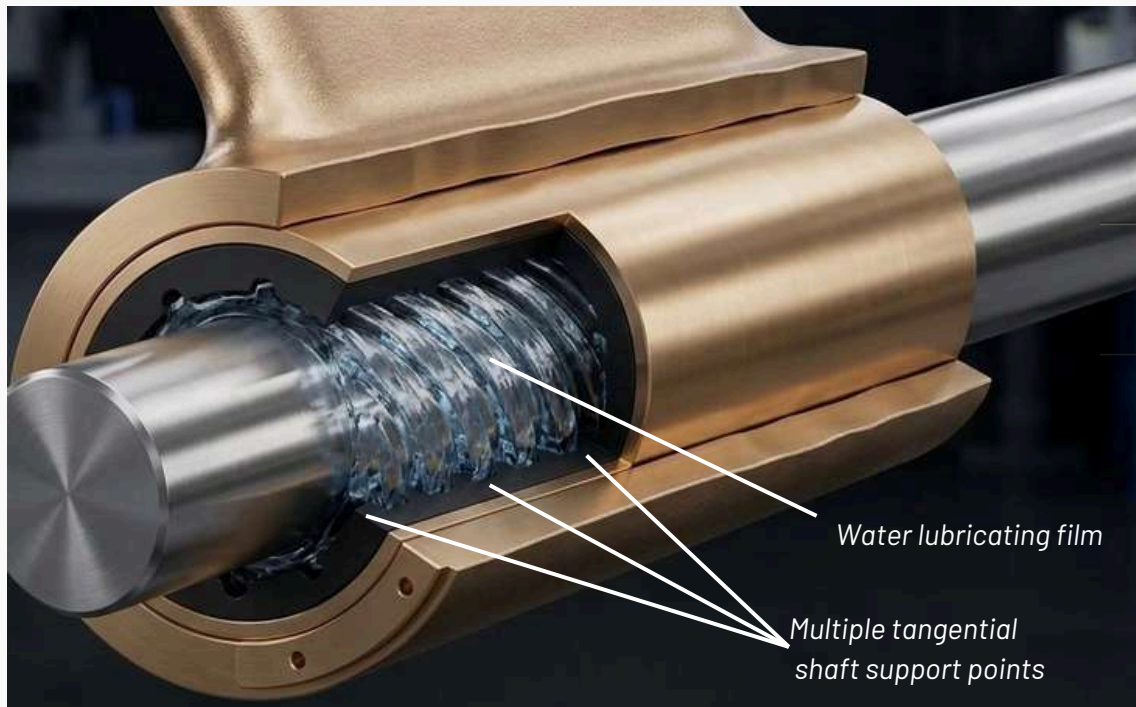
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Helical Design

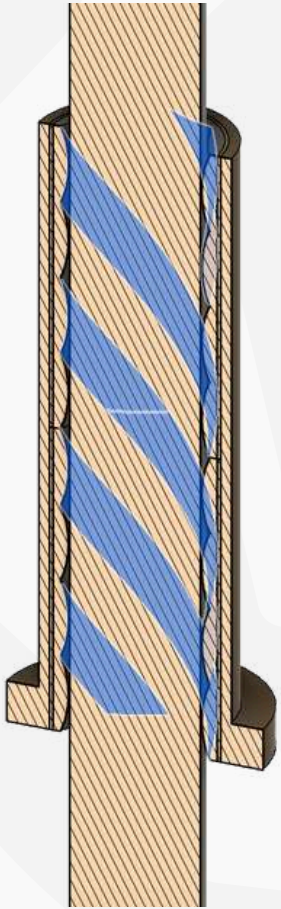
The second purpose of the lubricating film is to reduce heat and flush out impurities during operation, such as sand and other abrasive particles that may damage the shaft.

The helical design features a distinctive and superior characteristic compared to the straight-design bearing. Shaft support occurs at tangential contact points, which minimizes inter-material friction and reduces wear, thereby extending the product's service life. In the straight-design bearing, the shaft rests against the full stave surface.



Helical Design vs. Straight

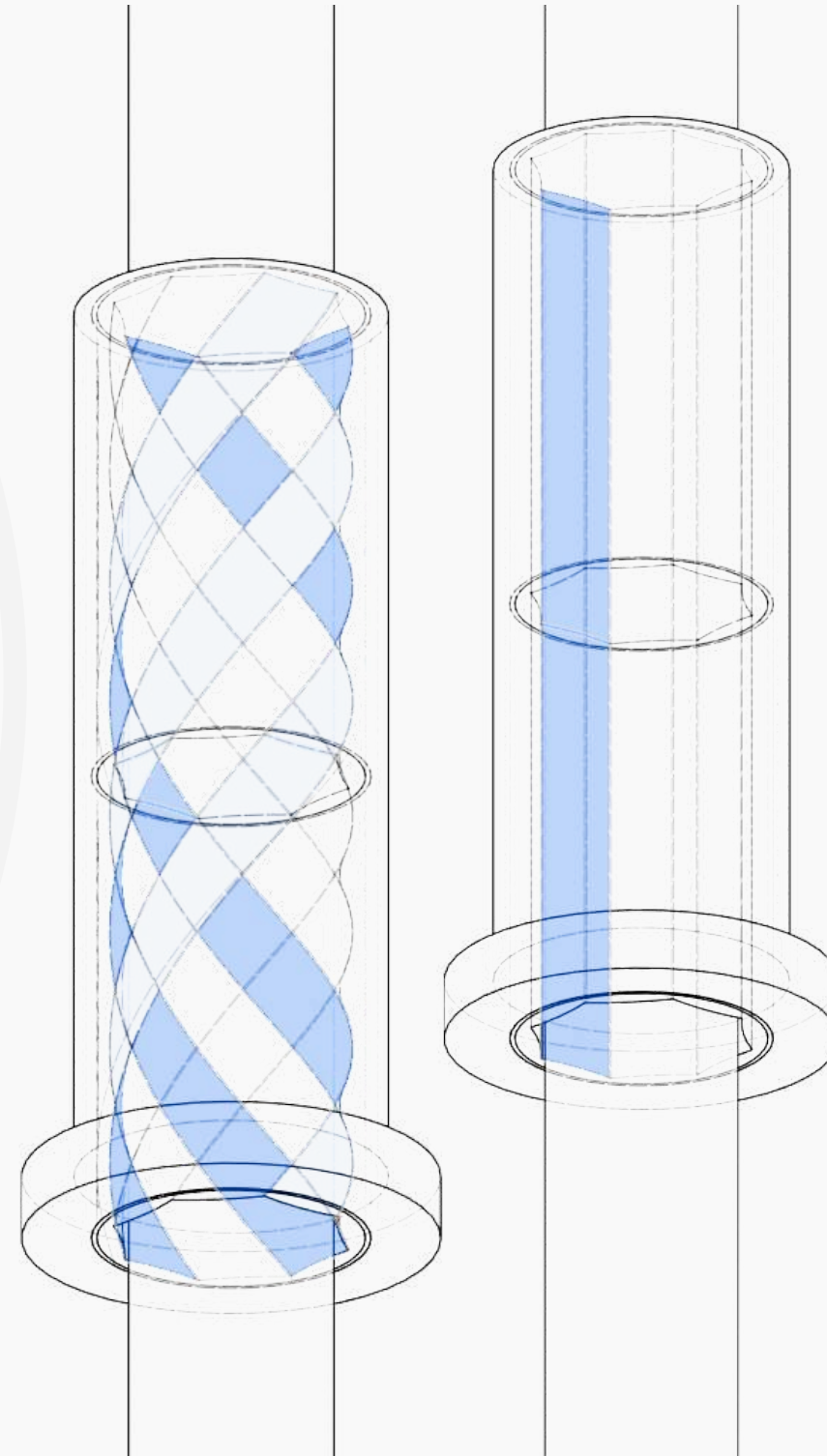
maximize performance.



◆ Significantly optimizes shaft lubrication, reducing wear by a minimum of 30%. Through advanced engineering design, TIME's bearings deliver a measurable wear reduction extending service life.

◆ Tangential contact shaft support geometry minimizes inter-material friction and wear. The bearing's load distribution is based on tangential contact points, a design principle that reduces the contact stress area, decreasing the coefficient of friction directly translating to lower mechanical degradation over operational cycles.

◆ Reduces frictional heat generation and enhances contaminant evacuation during operation. Mitigating thermal buildup caused by friction. Furthermore, the design promotes the active flushing of abrasive contaminants, including sand, silica particulates, and other abrasive foreign bodies away from the shaft contact surface, preventing accelerated wear and protecting shaft integrity during continuous operation.



Our Competitive Edge

Why TIME?



Marine-Grade Bronze Construction



Helical Design (Superior Performance)



Service Life (5 Years)



Rubber Bearings lineal (Straight Design)



Custom & Non-Standard Dimensions



Manufactured entirely from elastomer with a Shore A hardness of 70 $\pm$ 5



Lead Time (Latin America)



+70 Years of Excellence Manufacturing

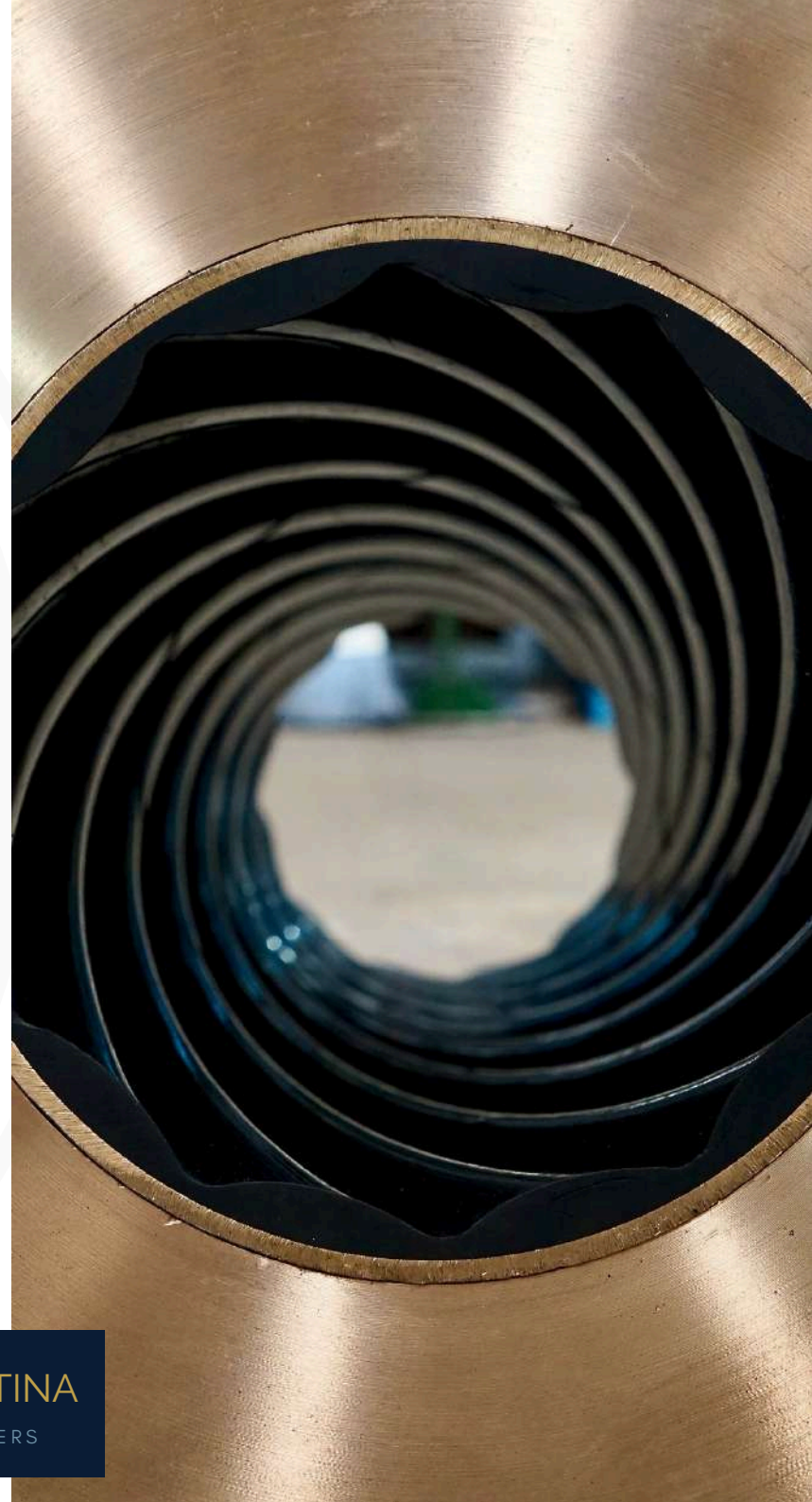


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Helical Design

Comparative Wear Performance – Service Life Analysis

ARGENTINA
5 years



USA
5 years



CANADA
> 4 years



SOUTH AFRICA
4 years



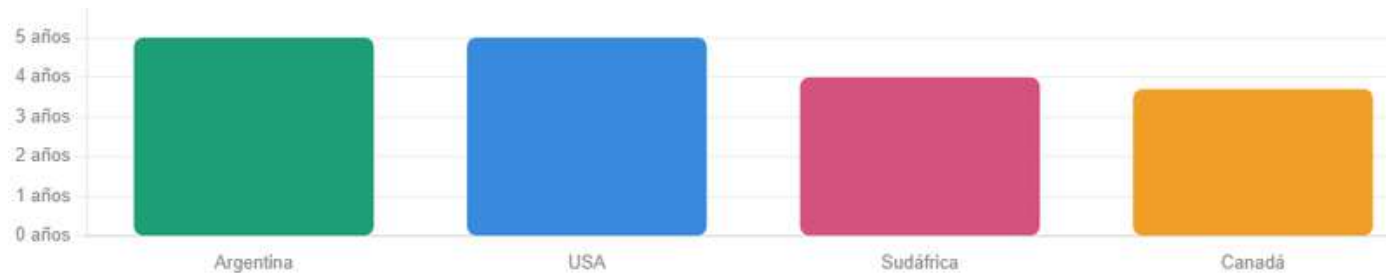
Helical & Straight Design
Manufactured entirely from elastomer

Straight Design
Manufactured entirely from elastomer

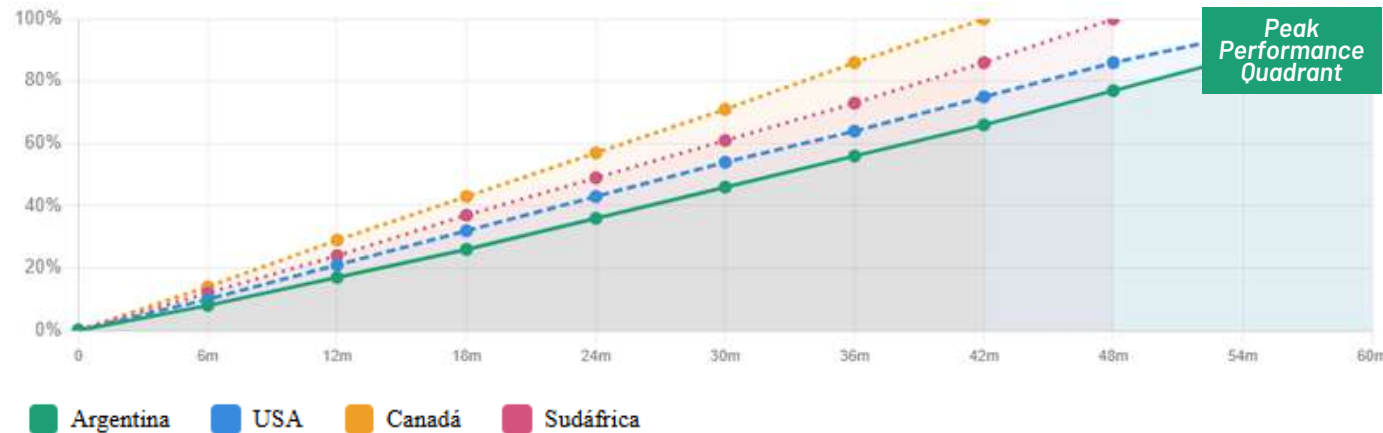
Straight Design

Straight Design

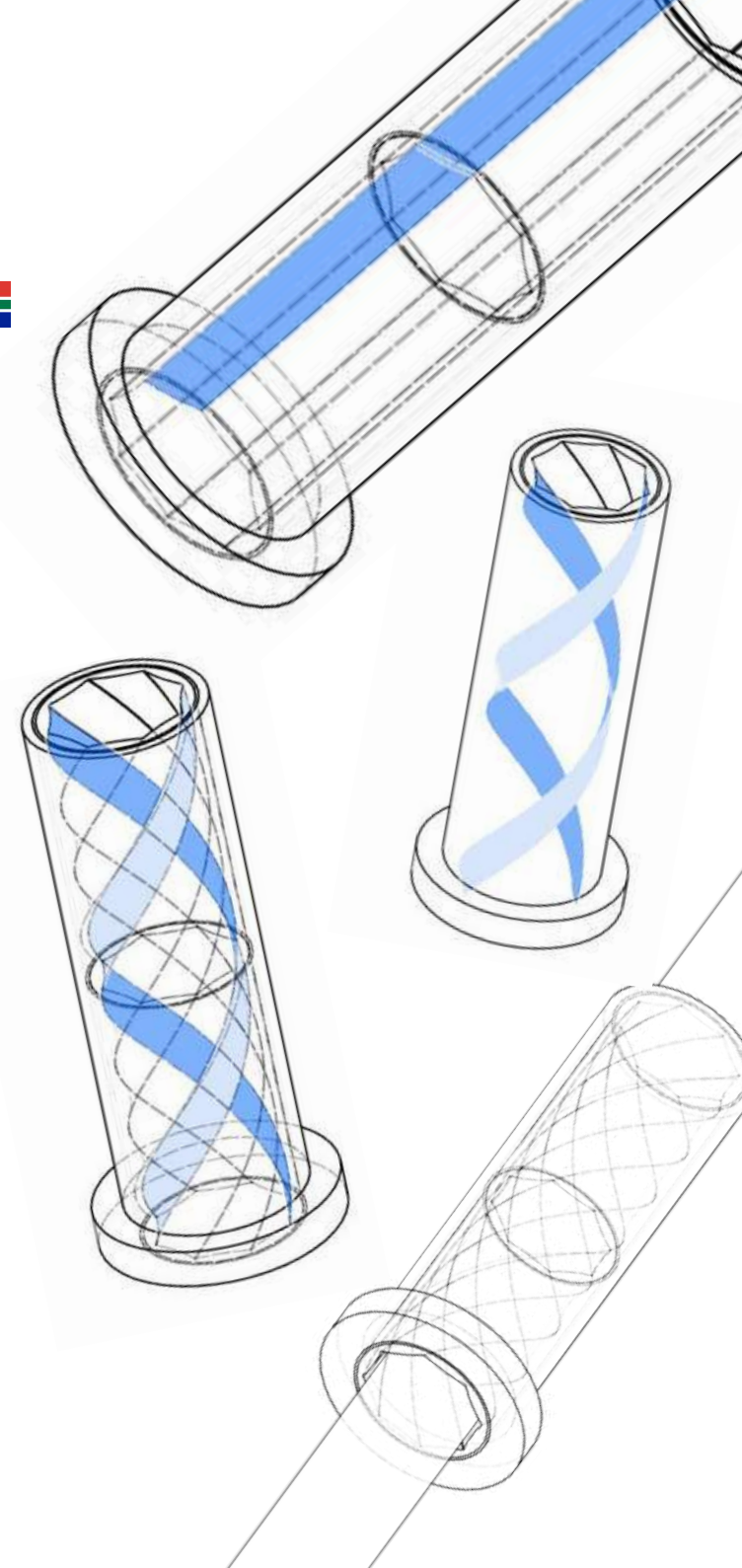
Material Service Life Chart. Naval bronze vs. generic materials



Wear Performance Chart. Naval bronze vs. generic materials



Through precision engineering, premium-grade components, and decades of manufacturing expertise, our product is built to deliver a proven service life of 60months . Matching North American manufacturing quality. Backed by a full manufacturer's warranty.



Helical Design

5-Year Factory Warranty

SERVICE LIFE COMMITMENT

We guarantee that under normal operating conditions, the materials used throughout the manufacturing process possess the appropriate properties to perform their intended function. In the event of a technical failure, TIME commits to the no-charge replacement of the product. Our products are engineered to operate in abrasive environments, including Rivers, Lagoons, open sea and others marine applications.

WARRANTY VALIDITY REQUIREMENTS

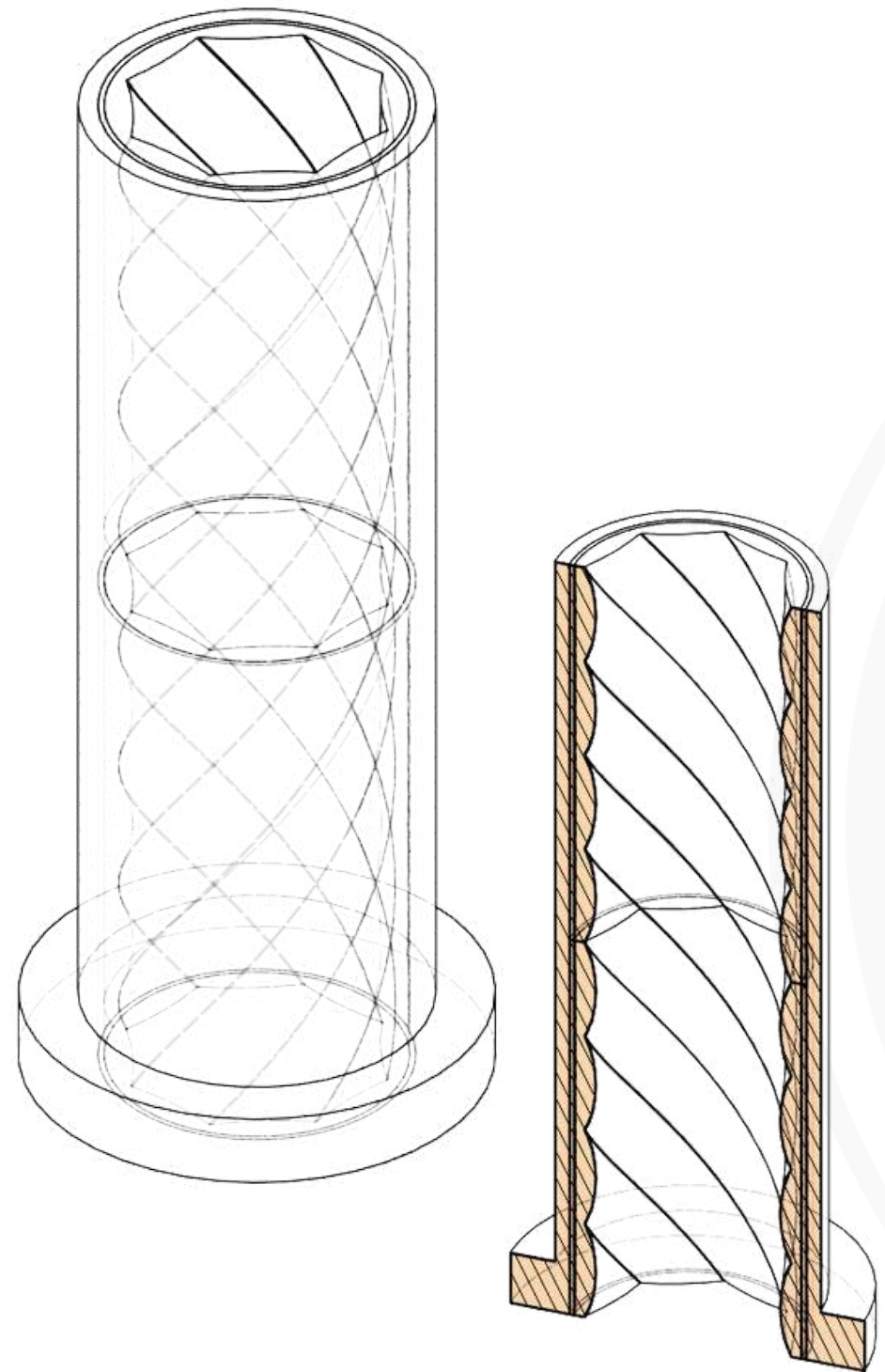
Warranty coverage is valid exclusively when the following conditions are met:

- Correct Installation: Ensure that shaft alignment is performed precisely during assembly to prevent excessive radial loads.
- Maintenance: Maintain lubrication and cooling systems in accordance with technical specifications.
- Operating Log: Do not exceed the working loads or revolutions per minute (RPM) for which the vessel was designed.

EXCLUSIONS

The following conditions are explicitly excluded from warranty coverage:

- External impacts, groundings, or marine accidents.
- Galvanic corrosion resulting from sacrificial anode failure or malfunction.





Rubber Bearings

Bronze Line

Available in both designs. Helical and Straight

Engineered from marine-grade bronze with a precision synthetic rubber inner lining, the Bronze Line delivers industry-proven durability and sustained performance. Available up to 4 inches.



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OFENOlite

Available in both designs. Helical and Straight

Engineered from high-strength phenolic laminate with a precision synthetic rubber inner lining, the Non-Bronze Line provides effective galvanic isolation. Purpose built for corrosion sensitive marine and industrial environments.

Available up to 4 inches .



 Technical Advisory

 Permanent Stock

Check out our
size chart





Custom & Non-Standard Dimensions

✓ Custom engineering

With fully integrated in-house tooling and die capabilities, we engineer custom bearing solutions to any non-standard dimension-manufactured in strict compliance with customer-defined technical specifications.

✓ Cost optimization

We offer a precision bore reconditioning service that adjusts the internal diameter to match the existing shaft sleeve, eliminating the need for shaft sleeve replacement.

— Bearing Carrier Reusability

Maximizing Budget Efficiency and Reducing Lead Times.

— The only Latin American manufacturer engineered to meet this level of precision.

Contact Us



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Your Trusted Bearing Partner in Latin America

We have the experience, technical and installed capacity to meet industry lead times. Our team of professionals is ready to deliver solutions that drive efficiency throughout the vessel's drydock repair period.

We offer the most comprehensive dimensional catalog in the market, covering non-standard international sizes

— a key differentiator for our customers.

Our customers are our strategic partners. Their trust has positioned us as a recognized leader in the Argentine naval bearing market.

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Shipyards that trust their vessels to our products



CANESTRARI



HARDCRAFT



Astillero Naval
Federico Contessi y Cía S.A



interisleña



GENESIS YACHTS



METANAV
Metalúrgica Naval

Let's build something great together.
Thank you.





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engineered to meet this level of precision.

Contact us

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