

公司介绍

金泰是航运和海运行业轴承和轴承材料的制造商和供应商。专业致力于导向元件和密封系统产品的设计、研发、制造与销售，依托卓越的科研实力与强力的执行效能为客户提供优质的密封组件解决方案。通过多年的努力，金泰的市场范围不断扩展,已成为国内实力雄厚的导向元件供应商之一，同时也赢得了广大海外客户的致推崇。公司以“专业、优质、进取”为核心价值，通过不断的技术革新与质量管控、管理创新与服务提升，努力实现为客户创造最大化价值的企业目标。

Company Introduction

KINTOWE is the manufacturer and supplier of bearings and bearing materials to the shipping and marine industries. Specializes in design, development, manufacture and sales of guide components and sealing system products, KINTOWE provides customers with high quality sealing components solutions relying on excellent scientific research strength and strong executive function. After years of efforts, KINTOW expanding the market, becomes one of the leading guide components manufactures in China and is widely praised by overseas customers. KINTOWE cites "Professional, High Quality, Enterprising" as the core value, makes efforts to achieve the goal of creating maximum value for the customer by continuous technical innovation and quality control, management innovation and service improvement.



力学性能

特性 Properties	单位 Unit	PFC-6	PFC-22
压缩强度 Part Number	N/mm ²	320	330
拉伸强度 Tensile Strength	N/mm ²	42	60
弯曲强度 Flexural Strength	N/mm ²	60	65
剪切强度 Shear Strength	N/mm ²	65	80
冲击强度 Impact Strength	KJ/m ²	150	100



PFC-22 特征

Kintowe PFC-22 是一种先进的含有固体润滑剂的增强复合材料。这种材料具有非凡的耐磨性，几乎不会在水中膨胀，提供了尺寸稳定性。即使在最重的载荷下也能承受边缘载荷和偏差。

Kintowe船用轴承采用过盈配合安装。轴承通常采用液氮冷冻安装，但也可以根据需要使用压安装或树脂堵塞。在长时间没有润滑的情况下，如轻压载条件下的上舵销轴承，Kintowe PFC-22 证明特别有效。

PFC-22 Characteristics

Kintowe PFC-22 is an advanced, reinforced composite material contains solid lubricants. The material has exceptional wear resistance and virtually no swell in water, providing dimensional stability. PFC-22 tolerates edge loading and misalignment even with the heaviest loads. Kintowe Marine Bearings are installed with an interference fit. Bearings are normally freeze fitted using liquid nitrogen but can be press fitted or resin chocked as required. Where there are extended periods without lubrication, such as upper pintle bearings under light ballast conditions, Kintowe PFC-22 proves especially effective.

PFC-6 特征

Kintowe PFC-6 是一种超强纤维增强复合材料，使用独特的制造工艺，保持高抗压强度，使其耐磨损，同时保持其低摩擦性能。Kintowe PFC-6已被证明在各种工况复杂的工作环境中具有无与伦比的适应性。

PFC-6 Characteristics

Kintowe PFC-6 is an ultra strong fiber reinforced composite material, with unique manufacturing process, PFC-6 has high compressive strength, high wear resistance and low friction performance. PFC-6 can adapt the complex operating conditions.

质量及认证

所有制造业务和内部系统都已通过ISO 90001 认证,而内部测试资源被广泛用于模拟使用材料的极端操作环境。金泰通过了ONV船舶船级社的认可。

Quality and certification

ISO 9001 approval is held for all manufacturing operations and internal systems while in-house testing resources are used extensively to simulate the extreme operational environments where the material is used. KINTOWE is approved by ONV classification societies.

洛氏硬度 Hardness - Rockwell M		82	80
密度 Density	G/cm³	1.2—1.4	1.2—14
吸水膨胀, %壁厚 Swell in water, % of wall thickness	%	<0.25	<0.2
热膨胀系数 Thermal Expansion Coefficient 20-100°C 垂直于层压板 Normal to Laminate 平行于层压板 Parallel to Laminate	℃ x10 ⁵ ℃ x10 ⁵	7—8 4—5	9—10 5—6
摩擦系数 Coefficient of friction		0.08—0.19	0.07—0.13

金泰 PFC-6 & PFC-22 优势

- 大量库存可用
- 船级认可可达15N/mm²
- 在水中几乎不膨胀
- 对环境友好
- 良好的干运转能力
- 低摩擦系数
- 容许边载

Kintowe PFC-22 & PFC-6 Proven Benefits:

- Extensive stock available
- Classification approval for up to 15N/mm²
- Virtually no swell in water
- Environmentally friendly
- Approved dry running capability
- Low coefficient of friction
- Tolerant to edge loading



应用

金泰 PFC-22 & PFC-6 被广泛应用于：
水润滑螺旋桨轴轴承
转向齿轮轴承
船台垫
甲板机械轴承
海上系泊系统轴承
船门导套
转向和潜水系统轴承
起重机桅杆轴承

Application

Kintowe PFC-22 & PFC-6 are used in a wide range of proven applications, including:

Water lubricated propeller shaft bearings
Steering gear bearings
Slipway pads
Deck machinery bearings
Offshore mooring system bearings
Door bushes
Steering and diving system bearings
Crane mast bearings

服务与支持

金泰拥有一支经验丰富、技术精湛的工程师团队,为您的特定需求量身定制全面、完整的服务。这项服务包括:

- 关于使轴承适应特定环境和操作条件的建议
- 计算轴承尺寸用于内部或现场加工
- 轴承安装的技术支持
- 在轴承的整个使用寿命中提供充分的技术支援和支持
- 这种广泛的支持服务还配有全面的技术文件

Service and Support

Kintowe has a team of experienced and highly skilled engineers who offer a full and complete service tailored to your specific requirements. Some aspects of this service are:

- Recommendations on adapting our bearings to specific environmental and operational conditions
- Calculation of bearing dimensions for internal or on site machining
- Technical assistance with bearing installations
- Full technical backup and support throughout the service life of the bearing
- This extensive support service is complimented by a comprehensive range of technical documentation

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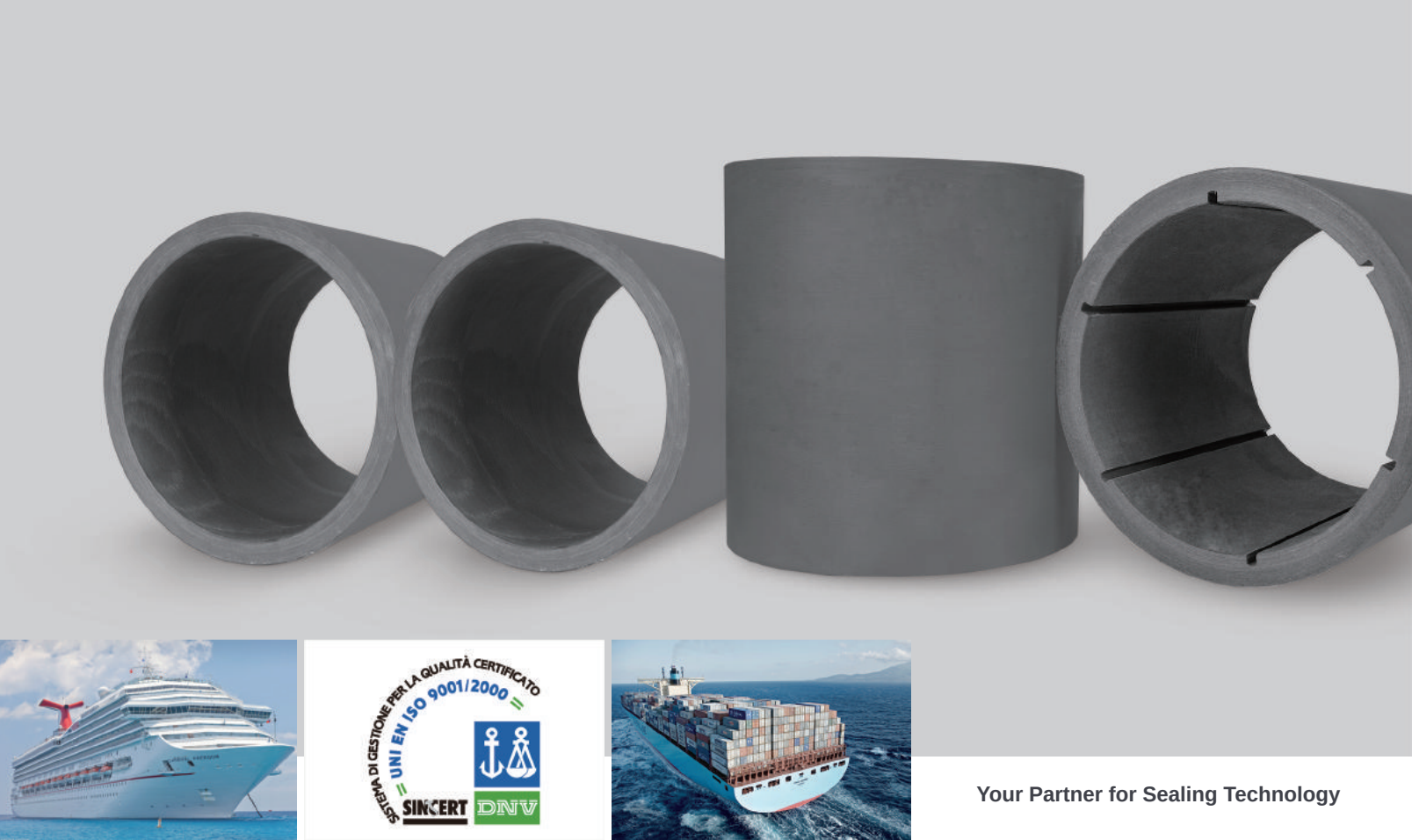
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KINTOWE PFC-6 & PFC-22 Marine Bearings



Your Partner for Sealing Technology