



DIRECTORS:  
R. A. RODRIGUEZ (U.S.A.)  
J. WILLIAMSON (U.K.)

**R.A. RODRIGUEZ (U.K.) LIMITED**

28 CAMPUS FIVE,  
LETCHWORTH BUSINESS PARK,  
LETCHWORTH GARDEN CITY,  
HERTS. SG5 2JF  
TEL: (01462) 670044  
FAX: (01462) 670030  
Email: info@raruk.com  
www.rarodriguez.co.uk

Ref: ROD\316

Date of issue: April 2010

## **KAYDON® BEARINGS HAVE THE IDEAL CREDENTIALS FOR OFFSHORE**

The great benefit of using a single, large diameter slewing bearing is well known in that it simplifies overall system design and enables cost-effective and hassle-free assembly. For example, it allows wiring and other services to pass through the bore with ease. Selecting the right bearing for demanding offshore applications depends on load, stiffness, speed and more critically safety factors and environmental protection. These factors combined with KAYDON®'s wealth of experience in providing slewing bearings with different coatings for harsh environments has resulted in a considerable increase in demand for these components in the growing offshore and related sectors.



R. A. Rodriguez offers a broad choice of KAYDON® bearing types from 100mm to 6000mm diameter - with or without gears - that are ideal for offshore use. Oil platform cranes, davit maintenance cranes, drilling rigs drives, offshore wind turbines, and moorings buoys are the prime applications for this high quality range of bearings.

For the extreme conditions of such places as the North Sea, bearings are typically supplied with environmental protection of a zinc phosphate coating and 2 part paint finish, special grease and integral seals. KAYDON® bearings are also able to meet the specification criteria for offshore crane bearings. In accordance with the Lloyd's Register KAYDON® offer bearings that conform to the required material specifications and load safety ratings, including the Charpy V-notch compliance test where applicable.

The KAYDON® four-point contact ball bearing is a popular choice. It accepts combinations of radial, thrust and moment loads and uses races shaped like gothic arches on both the inner and outer race ball paths. These generate four points of contact on each ball. To satisfy requirements for high load capacity within a given envelope, especially in large sized bearings, R. A. Rodriguez also offers a KAYDON® eight-point contact design. This is a bearing with two rows of balls whose unique feature is its use of gothic arch internal geometry in both rows. Tests have confirmed that this additional row increases load capacity by an additional 80%.

For the highest capacity the choice includes three-roller bearings. The top and bottom rows absorb thrust loading and in combination they also handle moment loading. The intermediate row addresses radial loading and because each row operates independently, frictional torque is low.

-ENDS-

*R. A. Rodriguez has over 40 years experience in the supply of precision components to manufacturing industry in the UK, Ireland and Scandinavia. This ISO 9001:2000 company acts as factory representative for a number of the world's leading component designers and manufacturers. Its product programme falls into five divisions – bearings, linear motion, aerospace, conveyor equipment, gears and associated products. R. A. Rodriguez bearing products include the world-renowned Kaydon Reali-Slim® and Ultra-Slim® designs. In the linear motion field, R. A. Rodriguez supplies a range of solutions from components and sub-assemblies through to complete turnkey systems.*

**Press enquiries, electronic press releases and digital photography:**

**Trudi, Sal or Caroline at NEW RIVER**

**Tel: 01920 468443 Fax: 01920 460528**

**Email: [info@newriver.co.uk](mailto:info@newriver.co.uk) [www.newriver.co.uk](http://www.newriver.co.uk)**