

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Cooper Roller Bearings Ltd.
Address	Wisbech Road, Kings Lynn, NORFOLK, PE30 5JX, United Kingdom
Place of Production	Cooper Roller Bearings Ltd. Wisbech Road, Kings Lynn, Norfolk, PE30 5JX, United Kingdom
Type	Roller Bearings
Description	Split cylindrical, tapered and spherical roller bearings, housings and seals 230S & 231S Series spherical bearing units 100/01/01E/02/02E BCP cylindrical bearing units 100/01/01E/02/02E BCF cylindrical bearing units 1DTB BCP & BCF tapered bearing units Z line pedestals Pedestals with raised mounting feet
Trade Name	Cooper Roller Bearings
Application	Main and auxiliary machinery
Specified Standard	R Rules & Regulations for the Classification of Special Service Craft, Part 9, Chapter 1, Section 1.5, July 2009
Ratings	Shaft Diameter: <ul style="list-style-type: none">• Cylindrical – 35 to 600 mm• Tapered – 75 to 180 mm• Spherical – 200 to 600 mm Bearing Capacity: refer to manufacturer's catalogue Shaft Speed Range: refer to manufacturer's catalogue Temperature Range: 0 to 100 °C Estimated Bearing Life: >30,000 hours
Other Conditions	Bearings are to be selected in accordance with the manufacturer's catalogue specifications and installed and operated in strict accordance with their instructions.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. LR2010884TA-02 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Daniel Rodrigues

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