

AFFIDAVIT OF CONFORMANCE

(Vendor Certificate)

Balerna, October 2015

ROLLING BEARINGS

This is to certify that RKB branded products are produced as per the technical data of the related catalogue and/or according to the drawing approved by the customer and/or in conformity with the following international standards:

BEARING BOUNDARY DIMENSIONS AND TOLERANCES

Radial bearings (except tapered roller bearings)

	ISO 15:2011	Rolling bearings - Radial bearings - Boundary dimensions, general plan
	ISO 1132-1:2000	Rolling bearings - Tolerances - Terms and definitions
	ISO 492:2002	Rolling bearings - Radial bearings - Tolerances
	ISO 246:2007	Rolling bearings - Cylindrical roller bearings, separate thrust collars - Boundary dimensions
Metric	ISO 464:1995	Rolling bearings - Radial bearings with locating snap ring - Dimensions and tolerances
	ISO 20515:2012	Rolling bearings - Radial bearings, retaining slots - Dimensions and tolerances
	DIN 620-6: 2004	Tolerances for rolling bearings - Chamfer dimensions limits
	DIN 625-1:2011	Rolling bearings - Radial deep groove ball bearings - Part 1: Single row
	DIN 5412-1:2005	Cylindrical roller bearings - Part 1: Single row with cage, separate thrust collars
Inch	BS 292-2:1982	Rolling bearings: ball bearings, cylindrical and spherical roller bearings (inch series)

Tapered roller bearings

	ISO 355:2007	Rolling bearings - Taper roller bearings - Boundary dimensions and series designations
Metric	ISO 1132-1:2000	Rolling bearings - Tolerances - Terms and definitions
	ISO 492:2002	Rolling bearings - Radial bearings - Tolerances
	DIN 620-6: 2004	Tolerances for rolling bearings - Chamfer dimensions limits
Inch	ANSI/ABMA 19.2:1994	Tapered roller bearings, radial inch design

Thrust bearings

Metric	ISO 104:2002	Rolling bearings - Thrust bearings - Boundary dimensions, general plan
	ISO 199:2005	Rolling bearings - Thrust bearings - Tolerances

Bearing accessories (adapter sleeves, withdrawal sleeves and locknuts)

Metric	ISO 2982-1:2013	Rolling bearings - Accessories - Part 1: Dimensions for adapter sleeve assemblies and withdrawal sleeves
	ISO 2982-2:2013	Rolling bearings - Accessories - Part 2: Dimensions for locknuts and locking devices

RKB Europe SA
Executive Headquarters and Technological Center

Via Primo Agosto - 6828 Balerna - Switzerland
Phone +41 91 260 09 30 - Fax +41 91 260 09 50
info@rkbeurope.com - www.rkbbearings.com

AFFIDAVIT OF CONFORMANCE

(Vendor Certificate)

BEARING INTERNAL CLEARANCE

ISO 5753-1:2009	Rolling bearings - Internal clearance - Part 1: Radial internal clearance for radial bearings
ISO 5753-2:2010	Rolling bearings - Internal clearance - Part 2: Axial internal clearance for four-point-contact ball bearings
DIN 620-4:2004	Rolling bearings - Rolling bearings tolerances - Part 4: Radial Internal clearance

BEARING COMPONENTS MATERIALS

Rings and rolling elements

Through- and case-hardening steels	ISO 683-17:2014	Heat-treated steels, alloy steels and free-cutting steels - Part 17: Ball and roller bearing steels
------------------------------------	-----------------	---

Cages

Brass	DIN EN 1982:2008	Copper and copper alloys - Ingots and castings
Bronze	ASTM B 584:2011	Standard specifications for copper alloy sand casting for general applications
Machined steel	ISO 683-18:2014	Heat-treated steels, alloy steels and free-cutting steels - Part 18: Bright products of unalloyed and low alloy steels
Pressed steel	SAE AMS-S-11310:1998	Steel bars, carbon, hot rolled for cold shaping, including cold extrusion

BEARING LOAD RATINGS

Bearing load ratings are calculated based on the following international standards and updated with the references of the latest test rig results:

ISO 76:2006	Rolling bearings - Static load ratings
ISO 281:2007	Rolling bearings - Dynamic load ratings and rating life
ISO/TR 1281-1:2008 (+Cor 1:2009)	Rolling bearings - Explanatory notes on ISO 281 - Part 1: Basic dynamic load rating and basic rating life
ISO/TR 1281-2:2008 (+Cor 1:2009)	Rolling bearings - Explanatory notes on ISO 281 - Part 2: Modified rating life calculation, based on a systems approach to fatigue stresses
ISO/TS 16281:2008 (+Cor 1:2009)	Rolling bearings - Methods for calculating the modified reference rating life for universally loaded bearings

Nr. 8690 (eight-six-nine-zero)




Oliver Camponovo, CFA, CIAA
President of the Board of Directors
RKB Europe SA

RKB Europe SA
Executive Headquarters and Technological Center

Via Primo Agosto - 6828 Balerna - Switzerland
Phone +41 91 260 09 30 - Fax +41 91 260 09 50
info@rkbeurope.com - www.rkbbearings.com