

Company ID No.: 31635164
VAT ID No.: SK 2020 450531
Bank connection: VÚB, a.s. Žilina
bank account No.: 1464132751/0200
ZVL SLOVAKIA, a.s. registered in Commercial Register of District Court in Žilina,
section: Sa, insert No. 295/L

ZVL SLOVAKIA, a.s.
Na stanicu 22, 010 09 Žilina, SR

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DECLARATION OF CONFORMANCE

ZVL bearings are produced in conformity to the catalogue data, to the drawings approved by customers and with following standards:

1) BEARING BOUNDARY DIMENSIONS AND TOLERANCES

Radial bearings (except tapered rolling bearings):

ISO 15:2011	Rolling bearings. Radial bearings. Boundary dimensions, general plan
ISO 1132-1:2000	Rolling bearings. Tolerances. Terms and definitions
ISO 492:2014	Rolling bearings. Radial bearings. Tolerances
ISO 246:2007	Rolling bearings. Cylindrical roller bearings, separate thrust collars Boundary dimensions
ISO 464:2015	Rolling bearings. Radial bearings with locating snap ring. Dimensions and tolerances
STN 02 4612	Rolling bearings. Technical requirements
STN 02 4630	Single row ball bearings
STN 02 4640	Rolling bearings. Deep groove ball bearings
STN 02 4650	Tilting double row ball bearings
STN 02 4665	Angular contact ball bearings double row
STN 02 4670	Rolling bearings. Single row cylindrical roller bearings
STN 02 4705	Rolling bearings. Double row spherical roller bearings
ISO 9628:2006	Insert bearings and eccentric locking collars

Thrust bearings:

ISO 104:2015	Rolling bearings. Thrust bearings. Boundary dimensions, general plan
ISO 199:2014	Rolling bearings. Thrust bearings. Tolerances
STN 02 4730	Thrust ball bearings. Single and double direction
STN 02 4760	Rolling bearings. Spherical thrust roller bearings – single direction

Sliding bearings:

STN ISO 12240-1	Spherical plain bearings. Part 1: Radial spherical plain bearings
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Bearing accessories:

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

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2) 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

3) BEARING COMPONENTS MATERIALS

Rings and rolling elements:

STN EN ISO 683-17	Heat-treated steels, alloy steels and free cutting steels – Part 17: Ball and roller bearing steels
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Cages:

DIN EN 1982:2008	Copper and copper alloys – ingots and castings
DIN 1623:2009	Cold rolled strip and sheet - Technical delivery conditions - General structural steels.
EN 10025-2:2004	Hot rolled products of structural steels. Part 2: Technical delivery conditions for non-alloy structural steels

4) BEARING LOAD RATINGS

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

Žilina, 19.9.2016

Ing. Martin Mravec
Executive director