

ISO 3031:2021 (E)

Rolling bearings — Thrust needle roller and cage assemblies, thrust washers — Boundary dimensions, geometrical product specifications (GPS) and tolerance values

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Symbols
5	Thrust needle roller and cage assemblies
5.1	General
5.2	Dimensions and tolerances
5.3	Tolerances for the needle roller
6	Thrust washers
6.1	General
6.2	Dimensions and tolerances
Annex A	(informative) General characteristics suggested for application of thrust needle roller and cage assemblies and thrust washers
A.1	General
A.2	Characteristics for guidance surface
A.3	Characteristics for washer support surfaces
Annex B	(informative) Functional gauging of thrust needle roller and cage assemblies and thrust washers
B.1	General
B.2	Thrust cage diameters
B.3	Thrust washer diameter
B.4	Functional gauging method of bore diameter
B.5	Functional gauging method of outside diameter

Page count: 9