

Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Symbols
4.1	Basic characters — Roman alphabet
4.2	Basic characters — Greek alphabet
4.3	Additional signs — Subscripts
4.4	Additional signs — Overline (shown on X)
5	Purpose of the test
6	Test conditions
6.1	General
6.2	Design of test facility
6.3	Installation of sensors
6.4	Calculation of bearing torque and loads
6.5	Test specimens
7	Test methods
7.1	Principle
7.2	Start–stop test cycle and evaluation of the take-off speed
7.3	Evaluation of static load capacity
7.4	Calculation of non-dimensional static load capacity
7.5	Coefficient of bearing load capacity
8	Clearance and eccentricity ratio
9	Friction coefficient
10	Durability test and lifetime
10.1	Test procedure
10.2	Determination of lifetime
11	Test report
Annex A	(informative) Configuration of a typical foil journal bearing
Annex B	(informative) Test report