

ISO 7902-2:2020 (E)

Hydrodynamic plain journal bearings under steady-state conditions — Circular cylindrical bearings — Part 2: Functions used in the calculation procedure

Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Tables of basic bearing characteristics
5	Graphs of basic bearing characteristics
6	Friction power loss
7	Lubricant flow rate resulting from feed pressure
7.1	General
7.2	Lubrication hole located opposite to direction of load
7.3	Lubrication hole located at 90° to direction of load
7.4	Lubrication holes located at 90° to direction of load
7.5	Circumferential groove (full groove)
7.6	Circumferential groove (partial groove)
7.7	Lubrication pocket, located opposite to direction of load
7.8	Lubrication pocket located at 90° to direction of application load
7.9	Two lubrication pockets at $\pm 90^\circ$ to direction of load
8	Effective dynamic viscosity, η_{eff} , of the lubricant as a function of effective bearing temperature, T_{eff}

Page count: 68