

ISO 3548-1:2022-08 (E)

Plain bearings - Thin-walled half bearings with or without flange - Part 1: Tolerances, design features and methods of test

Contents	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Symbols	1
5 Dimensions and tolerances	4
5.1 Housing diameter, half bearing outside diameter and crush height	4
5.2 Half bearing wall thickness and bearing bore	4
5.3 Width of half bearing, distance between flanges, outside diameter of flange and flange thickness	6
5.4 Free spread	7
6 Design features	10
6.1 General	10
6.2 Locating nick and recess	10
6.3 Reliefs and chamfers	11
6.4 Transition between radial part and flange	12
6.5 Assembled flange scalloped toes	14
6.6 Oil grooves and holes	14
7 Test data for determining the peripheral length	17
7.1 Calculation of test force F	17
7.2 Checking method A	18
7.3 Checking method B	19
8 Test data for determining axial width, B2, of flange bearings	19
8.1 General	19
8.2 Go between two parallel plates	19
8.3 Axial width B2 checked under force	20
9 Function and characteristics of assembled flange bearings	20
9.1 General	20
9.2 Characteristics	21
9.3 Classification	22
9.4 Checklist of items for ensuring the function of assembled flange bearings	22
Bibliography	23