ISO 9982:2021-09 (E)

Belt drives - Pulleys and V-ribbed belts for industrial applications - PH, PJ, PK, PL and PM profiles: dimensions

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols 1

5 Pulleys 2
5.1 Groove dimensions and tolerances 2
5.2 Minimum effective diameter 5
5.3 Tolerances on finished pulley 5
5.3.1 Checking conditions 5
5.3.2 Groove-to-groove diameter tolerances 5
5.3.3 Radial circular run-out 5
5.3.4 Axial circular run-out 6
5.3.5 Diameter over balls 6
5.3.6 Groove finish 6
5.4 Pitch diameter, dp 6
5.5 Designation of pulleys 7

6 Belts 7
6.1 Belt dimensions 7
6.2 Measurement of effective belt length 9
6.2.1 Measuring fixture -- Apparatus 9
6.2.2 Measuring force 9
6.2.3 Procedure 9
6.2.4 Manufacturing tolerances 10
6.3 Measurement of centre distance variation 11
6.4 Designation of belts 11

Bibliography 13