ISO/TS 14837-34:2024-11 (E)

Mechanical vibration - Ground-borne noise and vibration arising from rail systems - Part 34: Characterizing irregularity of the running surfaces with respect to vibration excitation

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 2

4 Characterizing roughness related to vibration excitation 3
4.1 Roughness and noise or vibration phenomena 3
4.2 Roughness spectrum 3
4.3 Roughness level 3
4.4 Roughness wavelength range 4
4.5 Characterization of roughness 5

5 Principles of measurement and analysis 5

Annex A (informative) Characterization of localized geometrical features 8

Annex B (informative) Measuring equipment 9

Annex C (informative)Processingofroughnessprofilesinsite-specificcases 12

Bibliography 13